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AUTHOR Morse, Betty R.; DeBenedetti, Janice
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ABSTRACT

A study examined California secondary public school counselors' perceptions of the value of secondary home economics courses; the degree to which the counselors provided students with information on home economics courses and careers; and the counselors' views as to what extent home economics courses reinforce basic academic skills, prepare students for the world of work, and provide students with life management skills. Questionnaires were mailed to 1,862 schools, and 937 counselors provided usable data. The following are among the findings reported: (1) female counselors perceived the need for home economics at a statistically higher level than did male counselors; (2) counselors who majored in home economics perceived the need for home economics at a statistically higher level than did other counselors; (3) counselors who had majored in home economics rated home economics' ability to reinforce academic skills, provide work skills, and provide life management skills significantly higher than did counselors who had other majors; and (4) although most students in the schools surveyed had opportunity to take home economics courses, only 68 percent of the counselors encourage them to do so because college-bound students have time for only a limited number of electives. Four appendices making up the greater part of the document contain copies of introductory letters to respondents, the questionnaire, a compilation of raw data, tables of statistical data by group, and tables of statistical analysis. (CML)

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FINAL REPORT

A STUDY OF COUNSELORS' PERCEPTION OF HOME ECONOMICS EDUCATION

A Project Funded by the
Home Economics Education Unit
California State Department of Education
and Conducted by
California State University, Long Beach

Betty R. Morse, Ph.D., R.D.
Project Coordinator

Department of Home Economics
California State University, Long Beach
1250 Bellflower Boulevard
Long Beach, California 90840

Phone: (213) 985 4496

Janice DeBenedetti, M.S.
Program Manager

Home Economics Education Unit
California State Department of Education
Sacramento, California

May, 1989

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A STUDY OF COUNSELORS' PERCEPTION OF HOME ECONOMICS EDUCATION

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A STUDY OF COUNSELRS' PERCEPTION OF HOME ECONOMICS EDUCATION

Purpose of the Study

The purpose of this study was to determine California public school counselors' perception of the value of Home Economics Education and the degree to which they provide information about Home Economics courses and careers.

This information can influence decision makers who seek to educate and enlist the support of their counselors, who may encourage Home Economics majors to become counselors and who have opportunities to recognize those who will make an impact on the future of Home Economics.

Delimitations

This survey was administered to secondary school counselors in California. No attempt was made to forecast the results on a regional or national basis. However, the large number of respondents can provide valuable information about a diverse population, i.e., counselors from urban, suburban and rural schools in the fastest growing state in the United States.

Limitations of the Study

The very definition of perception puts a limitation on this study. Insight and intuition may not provide a true picture of Home Economics in the public schools; however, perception is truth to the beholder and that is what this study proposed to measure - the counselor's perception.

Methodology

The survey population for this project consisted of all public schools throughtout the state of California that offered Home Economics courses to their students. Mailing labels addressed to the principals of these schools

were obtained from the State Department of Education. The project staff at California State University, Long Beach, prepared a questionaire to (1) develop a profile of counselors and gather information about counseling procedures; (2) determine counselor's preception of the Home Economics Department at their school, the need for Home Economics Education, and the expected future enrollment in their Home Economics progran; (3) ascertain the type of resources most needed to provide information about Home Economics; and (4) measure the counselor's viewpoint as to what extent Home Economics courses reinforce basic academic skills, prepare students for the work world, and prepare students for life (life management skills). The questionaire was reviewed by counselors in the local area and changes were made as appropriate.

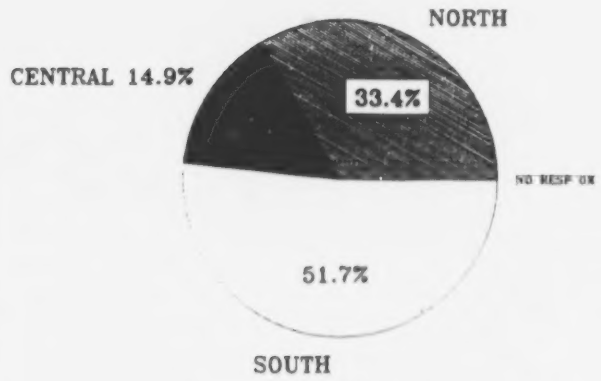
The questionaire, along with letters to the school principal and head counselor, (APP I) were mailed to 1862 secondary public schools in November, 1988. A follow-up notice was sent to schools which had not responded by February 1, 1989. By April 15, 937 counselors had returned valid responses. Since a large number of schools have more than one counselor and multiple responses were common, no attempt was made to determine the response rate by school. Percentage of total response was analyzed by school location, enrollment, type of school, population area, years as a counselor, age group, sex, who schedules classes and counseling procedures, and what resources would assist them in providing information about Home Economics to their students. The counselors were also asked to indicate their perception of the school's Home Economics Department; the need for Home Economics Education; and future enrollment in their school's Home Economics program. The final question was adapted from a previous study by Margaret Crouse in her study of Nebraska Counselors Perception of Vocational Education in 1987, and asked for their viewpoint of the extent Home Economics courses reinforce Basic Academic Skills, Work Skills, and Individual/Family Management Skills. The data were analyzed using the computer software program Symphony to determine the Standard Error of the Difference for each set, which was then compared against a t-Distribution table.

Findings

Questions #1 and #2 asked the counselors to provide certain demographic information about their school and provide a personal profile. The questions addressed: (#1) geographic location of the school within the state, type of school, school enrollment, and area in which the school is located; and (#2) number of years as a counselor, sex, age group, and subject area in which credentialed. Over half (51.7%) of the respondents were from Southern California, one-third (33.4%) from the Northern portion of the state and the remainder (14.9%) are located in Central California (CHART 1). The majority of the responding counselors are employed at the high school level with school populations greater than 1000 students (CHARTS 2 & 3). Approximately one-half are located in suburban area schools (CHART 4).

CHART 1 COUNSELORS' PERCEPTION OF

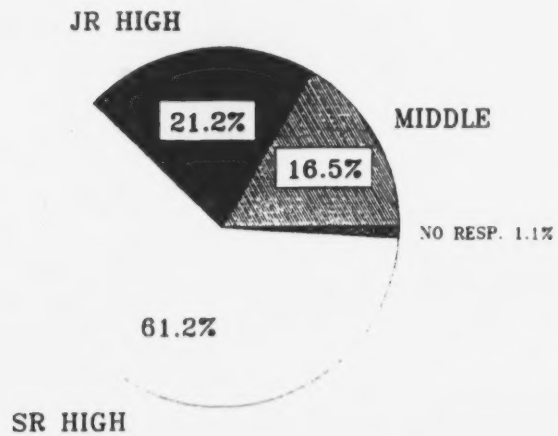
HOME ECONOMICS EDUCATION DISTRIBUTION BY LOCATION



% OF 937 RESPONSES

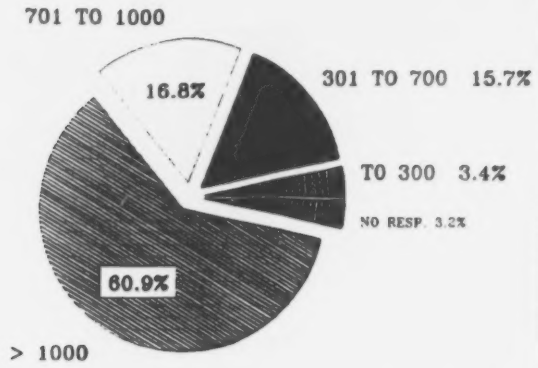
CHART 2 COUNSELORS' PERCEPTION OF

HOME ECONOMICS EDUCATION DISTRIBUTION BY SCHOOL TYPE



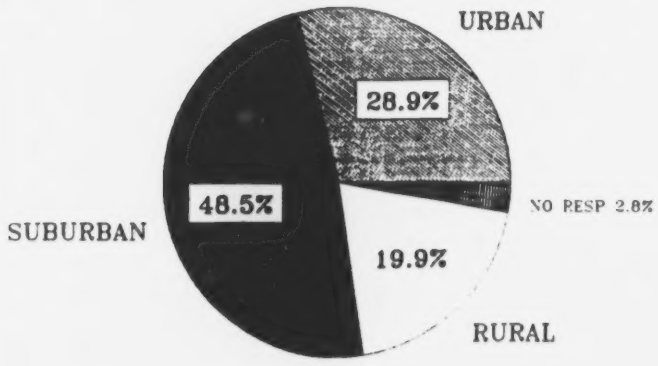
% OF 937 RESPONSES

CHART 3 COUNSELORS' PERCEPTION OF
HOME ECONOMICS EDUCATION
DISTRIBUTION BY SCHOOL ENROLLMENT



DATA FROM 937 RESPONSES

CHART 4 COUNSELORS' PERCEPTION OF
HOME ECONOMICS EDUCATION
AREA DISTRIBUTION



% OF 937 RESPONSES

The majority of counselors (55.3%) have over 10 years experience and approximately 71% are in the 41-60 year age group (CHARTS 5 & 6). There was a very high NO RESPONSE to the question asking the counselors to indicate sex. Counselors are credentialed in a wide variety of subjects and many are credentialed in more than one subject area as shown in CHART 7.

Question #3 asked the respondents to indicate who determines the school's master schedule and how are the number of elective courses determined. The master schedule is established primarily by administrators (61.4%) along wit' counselors (25.1%). Teachers (9.5%) appear to have little to do with th master schedule (CHART 8). Student sign-up (43.2%) is the largest factor in determining the number of electives offered, followed by the decisions of administrators (29.6%), (CHART 9).

Question #4 dealt with counseling procedures. Students mainly receive information about Home Economics courses from counselors (30.7%), teachers (25.0%), and word of mouth (23.5%), (CHART 10). Twenty one percent of the college bound students are not encouraged to take Home Economics. The primary reason indicated by the respondents is that these students have limited opportunities to take elective courses. There appears to be little sex bias any more since only 3.6% of the responding counselors do not recomend Home Economics for boys. Information about Home Economics courses offered in the school seems to be readily available.

Question #5 was one of the most important questions on the survey and asked for the counselor's perception of the need for the school's Home Economics Department, the perceived need for Home Economics Education, and how they perceived the future enrollment in their school's Home Economics program. Parts a and b of the question provided for a rating scale of 1 to 5, with 1 being Not Needed, 3-Uncertain, and 5-Definitely Needed. The mean rating by all counselors for question 5a-Need for the Home Economics Department, was 4.4 and no significant difference between groups was noted. The mean rating by all counselors for question 5b - Need for Home Economics Education, was 4.5. It was found that there is a significant difference (at less than 1% probable rejection of the null hypothesis) in the perceived need for Home Economics Education between all male counselors vs. all female counselors and between all counselors and those who majored in Home Economics. Aproximately 80% of all counselors believed that enrollment in their school's Home Economics program would remain about the same or increase.

Question #6 asked the counselors to indicate what type resources they needed to provide information about Home Economics. Posters, brochures, videos and films were the items most often asked for.

Question #7 was a nine part question that had been adapted from a previous study by Margaret Crouse in her study of Nebraska Counselors' Perception of Vocational Education in 1987. This question measured the counselor's professional viewpoint as to what extent Home Economics courses reinforce basic academic skills, prepare students for the work world,

CHART 5 COUNSELORS' PERCEPTION OF

HOME ECONOMICS EDUCATION
DISTRIBUTION BY EXPERIENCE

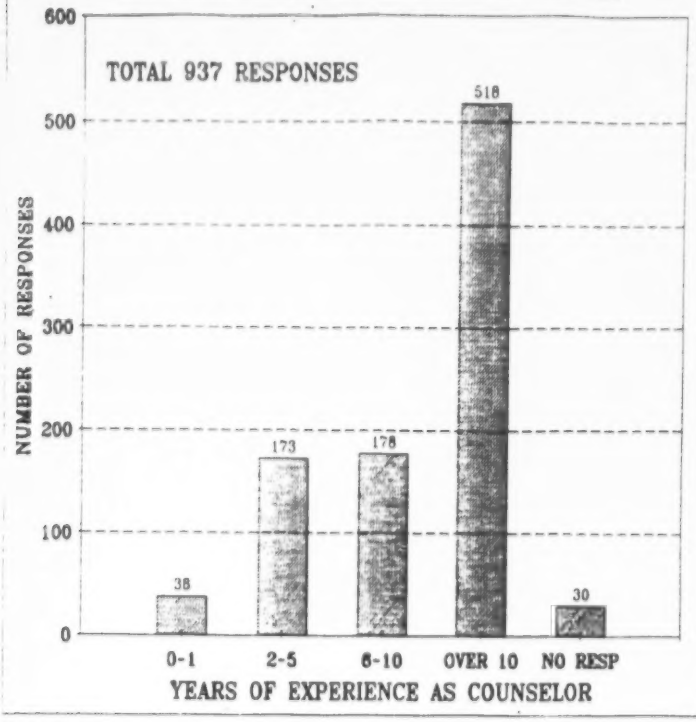


CHART 6 COUNSELORS' PERCEPTION OF

HOME ECONOMICS EDUCATION
DISTRIBUTION BY AGE

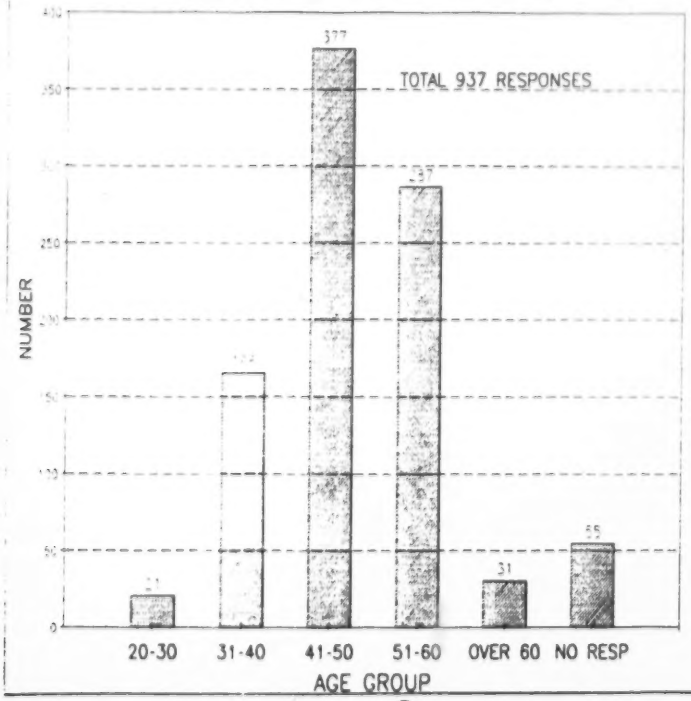
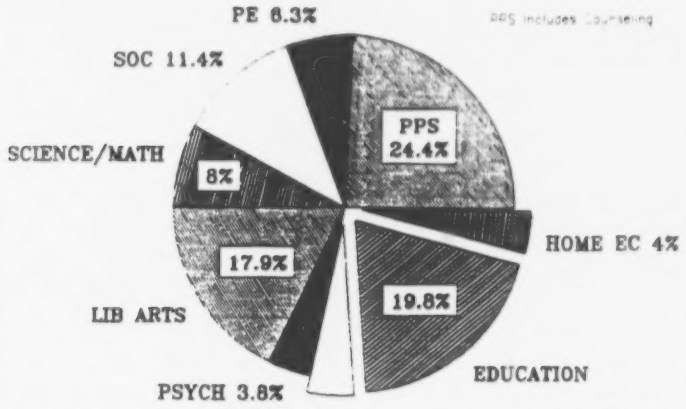


CHART 7 COUNSELORS' PERCEPTION OF HOME ECONOMICS EDUCATION CREDENTIAL SUBJECTS

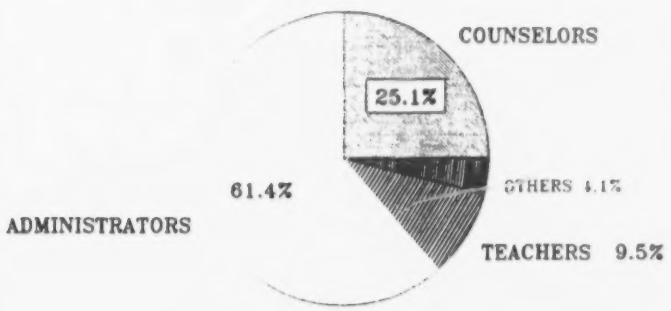
Science/Math includes
Physics, Chem,
General Science, Biology



Liberal Arts includes:
Language,English, History, Humanities,
Art, Geography,Music, Drama, Speech
Journalism,Poly Sci,Economics

Education includes:
Elem. & Sec Ed
ESL,Ind. Arts,Voc Ed
Driver Ed,Reading
Special Ed,Adult Ed
Library Sci,Health
Computer,Bus Ed

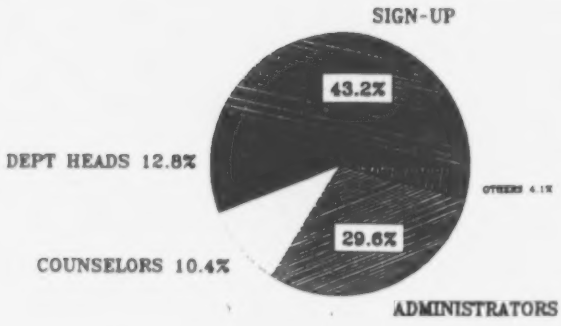
CHART 8 COUNSELORS' PERCEPTION OF HOME ECONOMICS EDUCATION CLASS SCHEDULING



MULTIPLE RESPONSES TOTALED 1404

CHART 9 COUNSELORS' PERCEPTION OF

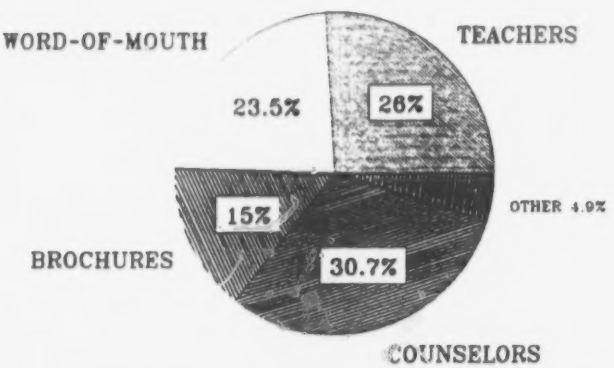
HOME ECONOMICS EDUCATION ELECTIVES



MULTIPLE RESPONSES TOTALED 2516

CHART 10 COUNSELORS' PERCEPTION OF

HOME ECONOMICS EDUCATION SOURCES OF INFORMATION



MULTIPLE RESPONSES TOTALED 2462

and prepare students for life (life management skills). The mean for all counselors is shown in APPENDIX II. On a scale of 1-5, with 5 being high, the mean rating for communication skills was 3.40; for mathematical skills, 3.50; scientific skills, 3.0; analytical skills, 3.30; entry level job skills, 3.10; work ethics, 3.40; pre-entry level job skills, 3.30; economics skills, 3.90; personal and family management skills, 3.90; Consumer skills, 4.00; Health skills, 3.70; personal relationships skills, 3.80.

Significant statistical differences were found in many areas. At less than the 1% level of significance, Home Economics majors ranked reinforcement of academic basic skills, work skills, and individual/family life management skills higher than various other majors; all female counselors ranked their perception of math skills higher than all male counselors; rural school counselors ranked entry level job skills higher than suburban school counselors; counselors with under 10 years experience ranked economic skills higher than those with over 10 years experience; and high school counselors ranked individual/family life management skills higher than did middle and junior high school counselors. Less than 1% is a very signifiant level of difference.

Significant statistical differences at the 2 1/2% to 1% level were found in schools with enrollment under 1000 students on communication skills; counselors under 50 years old and middle and junior high school counselors on math skills; counselors with under 10 years experience and urban vs. suburban school counselors on work ethics and pre-entry job skills; and high schools vs. middle and junior high school counselors on individual/family management skills, consumer skills, and personal relationship skills. Home Economics majors rated their area higher than all other counselors on mathematical, scientific, entry level job skills, work ethics, and individual and family management skills at this level of significance.

Probable difference was found at the 5% to 2-1/2% level between all Southern California counselor's vs North/Central counselors on communication skills. In this instance, the latter group gave higher scores to Home Economics, as did all counselors vs all male counselors, and female counselors over 50 years of age on mathematical skills. Urban high school counselors gave higher ratings than those in suburban schools on scientific skills. On analytical skills, higher scores at this level were found in female counselors, and counselors in schools with enrollment under 1000. There was no difference at this level on entry level job skills, work ethics or pre-entry level job skills. Those counselors over 50 years old gave less credit to Home Economics on economic skills, and high school counselors gave more credit to Home Economics on health skills. Home Economics majors were different from all others on their rating of pre-entry level job skills at this level.

Home Economics majors were found to be significantly higher (at less than the 1% level) than all other majors in their rating of communication skills, specifically PE (Physical Education), Liberal Arts, Social Science, Science and Math Majors and PPS (Pupil Personnel Services and Counseling) They gave higher ratings at this level than did Liberal Arts

majors on math, scientific and analytical skills; higher than Social Studies majors on analytical skills; higher than Liberal Arts majors on entry level job skills, work ethics, and pre-entry level job skills; higher than Liberal Arts majors on individual/family management, consumer health and personal relationship skills; higher than PE and PPS and counseling majors on consumer skills, and higher than all majors on health and personal relationship skills.

At the 1% to 2-1/2% level of significance, Home Economics majors were higher on ratings of mathematical, scientific, work ethics, pre-entry level job, and consumer skills than Social Science majors. They were higher on ratings of analytical skills than PPS and counseling majors and higher on entry level and pre-entry level job skills than PE majors.

At the 2-1/2% to 5% level of significance, Home Economics majors rated math skills higher than Science and Math majors; entry level job skills higher than Social Science majors; work ethics higher than PE and PPS and counseling majors; and individual/family management skills higher than PE majors.

Table 1 is a summary of statistical analysis for question #5b - Need for Home Economics Education and question #7 - Perceived Skills. A detailed statistical analysis of these questions is contained in Appendixes III & IV.

TABLE 1 COUNSELORS' PERCEPTION OF HOME ECONOMICS EDUCATION SUMMARY OF STATISTICAL ANALYSIS

STATISTICAL SIGNIFICANCE LEVEL

Prob= 5% to 2-1/2% Yes= 2-1/2% to 1% Very= Less than 1%

GROUPS	NUM	5B	7A1	7A2	7A3	7A4	7B1	7B2	7B3	7C1	7C2	7C3	7C4	7C5
All Vs Male	937 308	Nil	Nil	Prob	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Near
Male Vs Female	308 384	Very	Nil	Very	Near	Prob	Nil	Nil	Nil	Near	Nil	Nil	Nil	Yes
>50 Vs <50 Old	318 564	Nil	Nil	Yes	Nil	Nil	Nil	Nil	Nil	Prob	Nil	Nil	Nil	Nil
Males>50 Women>50	143 135	Nil	Nil	Prob	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Prob
North Vs South	313 484	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
NoLgUrbHi SoLgUrbHi	34 114	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Near	Nil	Nil	Nil	Nil	Nil
Central South	140 484	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Near	Nil	Nil	Nil	Nil
No &Cent South	453 484	Nil	Prob	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
>10 Exp <10 Exp	518 389	Nil	Nil	Nil	Nil	Near	Yes	Near	Nil	Very	Near	Nil	Nil	Nil
Hi Sch Vs Mid/Jr Hi	573 354	Nil	Very	Yes	Nil	Nil	Nil	Nil	Nil	Yes	Very	Yes	Prob	Yes
Urban Vs Suburban	271 454	Nil	Nil	Nil	Prob	Nil	Yes	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Urban Vs Rural Sch	271 186	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Suburban Rural Sch	454 186	Nil	Nil	Nil	Nil	Nil	Very	Yes	Yes	Nil	Yes	Near	Nil	Nil
>1000 Vs <1000 Stu	571 336	Nil	Yes	Nil	Nil	Prob	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

13a

TABLE 1 COUNSELORS' PERCEPTION OF HOME ECONOMICS EDUCATION SUMMARY OF STATISTICAL ANALYSIS

STATISTICAL SIGNIFICANCE LEVEL

Prob= 5% to 2-1/2% Yes= 2-1/2% to 1% Very= Less than 1%

GROUPS	NUM	5B	7A1	7A2	7A3	7A4	7B1	7B2	7B3	7C1	7C2	7C3	7C4	7C5
All Vs Home Ec	937 45	Very	Very	Yes	Yes	Very	Yes	Yes	Prob	Nil	Yes	Very	Very	Very
All Vs PE Major	937 70	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
All Vs Soc Sci	937 128	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
All Vs Sci/Math	937 89	Nil	Nil	Nil	Nil	Nil	Nil	Near	Nil	Nil	Nil	Nil	Nil	Nil
All Vs PPS/Guid	937 273	Nil	Prob	Nil	Nil	Yes	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
All Vs Psych	937 43	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Yes	Nil	Nil	Nil
All Vs Lib Arts	937 200	Nil	Nil	Near	Nil	Nil	Prob	Near	Nil	Nil	Nil	Nil	Nil	Nil
Home Ec PE Major	45 70	Nil	Very	Nil	Nil	Prob	Yes	Prob	Yes	Nil	Prob	Very	Very	Very
Home Ec Lib Arts	45 200	Very	Very	Very	Very	Very	Very	Very	Very	Near	Very	Very	Very	Very
Home Ec Soc Sci	45 128	Prob	Very	Yes	Yes	Very	Prob	Yes	Yes	Nil	Nil	Yes	Very	Very
Home Ec Sci/Math	45 89	Nil	Very	Prob	Yes	Very	Nil	Nil	Near	Nil	Nil	Prob	Very	Very
Home Ec PPS/Guid	45 273	Yes	Very	Nil	Near	Yes	Nil	Prob	Nil	Nil	Near	Very	Very	Very

Conclusions and Recommendations

Ahead lies what has the potential to be the golden age of Home Economics Education in the California Public School System. Counselors currently have a high perception of the need for the Home Economics Department in their school and of the need for Home Economics education for their students. They overwhelmingly believe that enrollment in their school's Home Economics program will remain about the same or increase. Students receive information about Home Economics courses mainly from counselors. While approximately one fifth of college bound students are not encouraged to take Home Economics, young men are being encouraged to do so.

The elements for success are already present with the potential for progress almost unlimited. The trend toward rigor in education which has resulted in higher graduation requirements, higher test scores, and higher entrance requirements to California colleges and universities has been successful. On the other hand a dichotomy exists in which high school drop-out rates are soaring even while a diverse mix of non-native people continue to migrate to California from outside the United States and there is a high level of poverty in parts of the state. The voters look kindly on education and have voted to assure that public funds are available to enhance public schools efforts to meet the needs of our changing society.

According to this study, public school counselors overall have a high perception of the extent to which Home Economics courses reinforce the basic academic skills, prepare students for the work world and perhaps most importantly, prepare students for life with such skills as economic skills, individual/family management skills, consumer skills, individual and family health maintenance skills and personal relataionship skills. A recent study funded by the Home Economics Program Unit, Department of Education, indicated that California school administrators are supportive of Home Economics programs in their schools. In a 1988 study of the Potential Job Market for Home Economics in California Public Schools, currently employed Home Economics teachers were overwhelmingly convinced of the value of Home Economics for their students.

Who then is not convinced of the need of today's youth for Home Economics skills?

1. According to this study, all male counselors perceive the need for Home Economics to be significantly lower than all female counselors. Those from all other majors perceive the need to be lower than those who majored in Home Economics.

2. Counselors from all high schools credit Home Economics less with enhancing communication skills than do middle and junior high schools; and schools with over 1000 students give less credit than schools under 1000. Southern California counselors probably give less credit for communication skills

than North/Central counselors. Those with Pupil Personnel Services and Counseling majors probably are kinder to Home Economics than other counselors in that respect; however Home Economics majors showed very significant differences from all other majors in perception of enhancement of communication skills in Home Economics classes.

3. Regarding the counselor's perceptions of mathematical skills in Home Economics, again, all male counselors, all those over 50, high school counselors vs those from middle and junior high schools, all counselors vs Home Economics majors, especially Liberal Arts majors, and to a lessor degree those with Social Science majors and probably Science and Math majors gave significantly lower scores.

4. Scientific skills were given lower scores on the survey by surburban vs urban high school counselors at the probable level and by all counselors and Science and Math majors vs Home Economics at the significant level. Again, very significant was the difference between Liberal Arts majors and Home Economics majors ratings.

5. Probably, female counselors perception of analytical skills in Home Economics was higher than males as were counselors from smaller schools than larger (over 1000); however, all counselors from every major to some extent of significance rated analytical skills lower than Home Economics majors. Those with Pupil Personnel Services and Counseling majors gave higher scores in analytical skills than all other counselors.

6. Counselors with over ten years experience had a lower perception of entry level job skills in Home Economics, as did those from suburban schools vs urban schools. Suburban school counselors rated job skills very differently than those from rural schools. Again, Home Economics majors differed significantly from all other majors as a group and specifically from Physical Education majors and Liberal Arts majors. This time, Liberal Arts majors probably differed from all others in their perception of entry level job skills being taught in Home Economics.

7. Only counselors from rural schools vs suburban schools rated perception of work ethics significantly higher than other counselors except Home Economics majors. Social Science majors rated work ethics lower than Home Economics and Liberal Arts majors scores were significantly lower again.

8. Pre-entry job skills were rated lower by suburban school counselors than by rural school counselors. This time there was only a probable difference between Home Economics majors and all counselor's, with higher significance in

differences between Physical Education majors, Social Science majors and Home Economics majors. Very significant difference existed between Liberal Arts majors and Home Economics majors ratings.

9. The picture changes when we look at Economic skills. Those counselors over 50 years of age probably give less credit to Home Economics; those with over 10 years experience certainly do give less credit in this respect; and Middle and Junior high school counselors give less than high school. Even those group means were close to 4 on the scale of 1 to 5. All other groups gave Home Economics consistently high ratings for teaching Economic skills.

10. Individual and Family management skills were rated with a mean score near 4 by all groups, though significantly lower by suburban schools and middle and junior high schools. Home Economics majors mean score was 4.11 - significantly higher than all counselors. Psychology majors mean score was also higher than all other counselors. Physical Education majors differed significantly from Home Economics majors in their opinion of the extent to which these skills are enhanced in Home Economics classes as did Liberal Arts majors.

11. Middle and junior high school counselors do not perceive that Consumer skills are being enhanced in Home Economics classes to the extent that high school counselors do. Home Economics major's mean rating of 4.33 differed significantly from all counselors mean rating of 3.87 and from Physical Education major's mean of 3.81, Liberal Arts major's mean of 3.77, Social Science major's mean of 3.94 and Pupil Personnel Services and Counseling major's mean of 3.92.

12. Health skills were probably perceived lower by counselors from middle and junior high schools than those from high schools. All counselors rating with a mean of 3.6 was very significant compared to the Home Economics major's mean of 4.11 and that was very different from the ratings of each of the other credential areas as well.

13. Skills in personal relationships were rated lower by all male counselors than female at a level of significance and at a level of probability by males over 50 vs females over 50. Again, high schools are perceived as doing a better job than junior and middle schools. Home Economics majors ratings were very much higher than all counselor's ratings and all the other major's ratings.

California Home Economics leaders and decision-makers need to move in the direction of their success. They should continue to strengthen programs in schools where Home Economics is highly regarded: senior high schools, those schools in North and Central California, urban high schools, rural high schools, and schools with under 1000 students. They must provide support and recognition for those counselors who hold Home Economics in high esteem: female counselors, and particularly those who majored in Home Economics. These counselors have a powerful influence on the future of Home Economics in California Public Schools.

Currently, Home Economics is viewed as enhancing economic, individual and family management, consumer, family health, and personal relationship skills at the highest levels of those vocational education skills measured in this survey. If we want to compete with other disciplines in delivery of communication, mathematical, scientific, and analytical skills as well as entry level job skills, work ethics and pre-entry job skills, changes will have to take place in teacher pre-service and inservice education.

Home Economics education at the middle and junior high school level must be enhanced if our full potential is to be realized. Thirty seven percent of the survey respondents come from middle and junior high schools. If every student is to benefit from Home Economics skills, they must be reached before the student who needs these skills most becomes a drop-out statistic. Again, these are implications which influence teacher pre-service and inservice education.

Other challenges exist for educational efforts which could influence the future of Home Economics. Urban and especially suburban school counselors; all male counselors, especially those over 50; counselors with Liberal Arts majors and to a lessor extent, Social Science and PE majors seem to be ignorant of the extent to which Home Economics classes enhance all the skills measured in this survey. Strategies for efforts at educating their colleagues are a natural outgrowth of the strong organization, Home Economics Teachers Association of California (HETAC).

HETAC can take the leadership in clarifying the values of Home Economics education, as well. Are the skills which were measured in this survey those which are important to the profession? Are these the skills which are represented in the Model Curriculum Framework and Standards? If so, there are further implications for research: Are California Home Economics teachers prepared to teach these skills and do they feel that they have been well prepared to teach them? Do pre-service programs prepare teachers to teach the full range of concepts represented in these skills? Has inservice education in our state kept up with the changing curriculums which are necessary to meet the needs of our changing student populations in California?

The scene is set for change in California Public schools and Home Economics can meet its full potential in this state. Research can help to make certain that decisions which affect the future of Home Economics are made with knowledge that is based on valid information as well as intuition and insight.

References

1. Crouse, Margaret. "Secondary School Counselor Perceptions of Vocational Education Curriculum". Research Report, Chadron State College, Nebraska, 1987.

2. Morse, Betty R. "A Survey to Determine When Currently Employed Home Economics Teachers in Southern California Will be Eligible to Retire". Research Report, California State University, Long Beach, 1987.

3. Morse Betty R. "A Survey to Determine the Potential Job Market for Home Economics Teachers in California Secondary Public Schools". Research Report, California State University, Long Beach, 1987.

4. California State Department of Education. "Home Economics Model Curriculum Standards and Froameworks". Curriculum Guide, California State University, Fresno, 1988.

APPENDIX I

CALIFORNIA STATE UNIVERSITY, LONG BEACH

Department of Home Economics
(213) 985-4496

November 15, 1988

Dear California Secondary School Principal,

Counselors play a key role in assisting students plan and select their courses. The Home Economics Education Unit, California State Department of Education, has funded a study to determine school counselor's perception of Home Economics Education.

Please forward the enclosed letter and questionnaire to the head counselor at your school. We are asking that the questionnaire be completed and returned no later than December 1, 1988. An addressed, postage-paid envelope is provided.

Thank you for your assistance and cooperation.

Sincerely,

Betty R. Morse

Betty R. Morse, PhD, RD
Project Coordinator
Department of Home Economics
California State University, Long Beach

Janice DeBenedetti

Janice DeBenedetti, Program Manager
Home Economics Education Unit
California State Department of Education

1250 Bellflower Boulevard Long Beach, California 90840

APPENDIX I

CALIFORNIA STATE UNIVERSITY, LONG BEACH

Department of Home Economics
(213) 985-4496

November 15, 1988

Dear Counselor,

Will you please take a few minutes to assist us in determining the need to provide information to counselors about home economics education?

As a counselor you have a key role in encouraging students to enroll in home economics courses in your school. The purpose of this questionnaire is to determine your perception of home economics, how students are encouraged to enroll in home economics courses, and the types of resources that would be helpful to counselors.

Your cooperation and assistance in completing and returning the enclosed questionnaire in the addressed, stamped envelope by December 1, 1988 would be appreciated.

Thank you for your help with this important study.

Sincerely,

Betty R. Morse

Betty R. Morse, PhD, RD
Project Coordinator
Department of Home Economics
California State University, Long Beach

Janice DeBenedetti

Janice DeBenedetti, Program Manager
Home Economics Education Unit
California State Department of Education

STUDY OF COUNSELORS' PERCEPTIONS OF HOME ECONOMICS EDUCATION

Please complete and return this survey in the envelope provided no later than December 1, 1988. If there is more than one counselor at your site, please reproduce the survey form for each to respond.

1. School Site Information:
   a. Geographic location
      __Northern CA __Central CA
      __Southern CA
   b. Type of school
      __Middle School __Jr High School
      __Sr High School
   c. School enrollment
      __0-300 __301-700 __701-1000
      __1000 and over
   d. Type of area in which School is located
      __Urban __Suburban __Rural
2. Counselor's Profile:
   a. Number of years as a counselor
      __0-1 __2-5 __6-10 __Over 10 yrs
   b. Sex
      __Male __Female
   c. Age group
      __20-30 __31-40 __41-50 __51-60
      __over 60
   d. Subject area in which you are credentialed:_____
      _____
3. Class Schedules:
   a. Who determines the master class schedule at your school?
      __Counselors __Administrators __Teachers __Others (specify)_____
   b. How are the number of elective courses determined at your school?
      __Student Sign-up __Department Heads __Counselors __Administrators
      __Others (specify)_____
4. Counseling Procedures:
   a. Do students have the opportunity to take Home Economics courses at your school?
      __Yes __No
      Please explain:_____
   b. How do students receive information about Home Economics courses?
      __Teacher Promotes __Word of Mouth __Brochures __Counselors
      __Others (specify)_____
   c. Are college-bound students encouraged to enroll in Home Economics courses?
      __Yes __No
      Please explain:_____
   d. Are young men encouraged to take Home Economics courses?
      __Yes __No
   e. Do students have access to information about courses in Home Economics?
      __Yes __No
5. Perception of Home Economics:
   a. What is your perception of the Home Economics Department at your school?

1	2	3	4	5
Not Needed		Uncertain		Definitely Needed

   b. What is your perception of the need for Home Economics education?

1	2	3	4	5
Not Needed		Uncertain		Definitely Needed

   c. How do you perceive the future enrollment in your school's Home Economics Program?
      __Increasing __Decreasing __Remaining About the Same
6. Resources:
   a. What type of resources would assist you in providing information to students about Home Economics?
      __Posters __Film/Filmstrips __Brochures __Video Cassettes __Audio Cassettes
      __Other (specify)_____

Directions: Please circle the number that most nearly corresponds with your professional point of view:
Code: 1 = not at all 2 = very little 3 = to some extent 4 = frequently 5 = extensively

7. Counselors' Viewpoint:

a. From your professional point of view as a counselor, to what extent do Home Economics courses reinforce the basic academic skills?

(1) Communication Skills 1 2 3 4 5
As demonstrated through oral and written assignments and activities in which effectiveness and accuracy are considered.

(2) Mathematical Skills 1 2 3 4 5
As demonstrated through mathematical assignments and activities involving budgeting, credit accounting, weights and measures, etc.

(3) Scientific Skills 1 2 3 4 5
As evidenced through assignments and activities which show the relationship between natural and physical sciences and the vocational area, and/or which utilize the scientific methods in the discovery process.

(4) Analytical Skills 1 2 3 4 5
As evidenced through assignments and activities involving thinking processes and reasoning skills (logic), problem-solving and decision-making skills.

b. From your professional point of view as a counselor, to what extent do Home Economics courses prepare students for the work world?

(1) Entry Level Jobs 1 2 3 4 5
Courses or programs which prepare students for specific entry level jobs after high school graduation.

(2) Work Ethics 1 2 3 4 5
Courses or programs which address work responsibilities, job seeking, job securing and job maintaining skills, employee communication skills, etc.

(3) Pre-entry Level Job Skills 1 2 3 4 5
Courses or programs which serve as prevocational training and which give the student the background necessary for post secondary training or for on-the-job training programs.

c. From your professional point of view as a counselor, to what extent do Home Economics courses prepare students for life (life management skills)?

(1) Economic Skills 1 2 3 4 5
As evidenced in topics which address the handling of money, such as personal/family accounting, credit analysis, budget development, etc.

(2) Individual/Family Management Skills 1 2 3 4 5
As evidenced in topics which address management of work and family, of life schedule, of finances, of time and energy, of natural environment, etc.

(3) Consumer Skills 1 2 3 4 5
As evidenced in topics which address buymanship, choice analysis, quality indicators, consumer behavior, marketplace behavior, consumer rights and responsibilities, etc.

(4) Individual and Family Health Maintenance Skills 1 2 3 4 5
As evidenced in topics which address alcohol, drugs, nutrition, health care issues and concerns, physical activity, etc.

(5) Personal Relationship Skills 1 2 3 4 5
As evidenced in topics which address interpersonal relationships involved in family life, work life, and social life, etc.

APPENDIX II COUNSELORS' PERCEPTION OF HOME ECONOMICS EDUCATION SURVEY RAW DATA COMPILATION

Total Responses=937 Page 1 0f 2

NO.		RESP	%	NO.		RESP	%
1a	LOCATION	937	100.0%	1b	TYPE OF SCHOOL	927	98.9%
	Northern	313	33.4%		Middle	155	16.5%
	Central	140	14.9%		Junior High	199	21.2%
	Southern	484	51.7%		Senior High	573	61.2%
	No Response	0	0.0%		No Response	10	1.1%
1c	ENROLLMENT	907	96.8%	1d	AREA	911	97.2%
	0-300	32	3.4%		Urban	271	28.9%
	301-700	147	15.7%		Suburban	454	48.5%
	701-1000	157	16.8%		Rural	186	19.9%
	1000 and over	571	60.9%		No Response	26	2.8%
	No Response	30	3.2%				
2a	YRS COUNSELOR	907	96.8%	2b	SEX	692	73.9%
	0-1	38	4.1%		Male	308	32.9%
	2-5	173	18.5%		Female	384	41.0%
	6-10	178	19.0%		No Response	245	26.1%
	Over 10 yrs	518	55.3%				
	No Response	30	3.2%				
2c	AGE GROUP	882	94.1%				
	20-30	21	2.2%				
	31-40	166	17.7%				
	41-50	377	40.2%				
	51-60	287	30.6%				
	Over 60	31	3.3%				
	No Response	55	5.9%				
3a	WHO SCHEDULES	1404	*	3b	NO. ELECTIVES	1516	*
	Counselors	352	25.1%		Student Sign-up	655	43.2%
	Administrators	862	61.4%		Dept. Heads	194	12.8%
	Teachers	133	9.5%		Counselors	157	10.4%
	Others	57	4.1%		Administrators	448	29.6%
					Others	62	4.1%
4a	HOME EC.COURSES	934	99.7%	4b	INFORMATION	2492	*
	Yes	892	95.2%		Teacher Promote	648	26.0%
	No	42	4.5%		Word of Mouth	586	23.5%
	No Response	3	0.3%		Brochures	373	15.0%
					Counselors	764	30.7%
					Other	121	4.9%

APPENDIX II COUNSELORS' PERCEPTION OF HOME ECONOMICS EDUCATION SURVEY RAW DATA COMPILATION

Total Responses=937 Page 2 Of 2

4c	COLLEGE-BOUND	835	89.1%		4d	YOUNG MEN	883	94.2%
	Yes	637	68.0%			Yes	849	90.6%
	No	198	21.1%			No	34	3.6%
	No Response	102	10.9%			No Response	54	5.8%
4e	INFO ACCESS	893	95.3%					
	Yes	846	90.3%					
	No	47	5.0%					
	No Response	44	4.7%					
5a	HOME EC DEPT.	874	4.4	(5 High)	5c	FUTURE ENROLL.	910	97.1%
						Increasing	162	17.3%
						Decreasing	166	17.7%
5b	NEED HOME EC.	887	4.5	(5 High)		About Same	582	62.1%
						No Response	27	2.9%
6	RESOURCE NEED	1743	*					
	Posters	599	34.4%					
	Film	139	8.0%					
	Brochures	495	28.4%					
	Video Cassettes	335	19.2%					
	Audio Cassettes	65	3.7%					
	Other.	110	6.3%					
7a1	Communication	862	3.4	(5 High)				
7a2	Math Skills	860	3.5					
7a3	Science Skills	853	3					
7a4	Analytical	863	3.3					
7b1	Entry Jobs	858	3.1	(5 High)				
7b2	Work Ethics	860	3.4					
7b3	Pre-entry Jobs	858	3.3					
7c1	Economic Skills	863	3.9	(5 High)				
7c2	Family Skills	865	3.9					
7c3	Consumer Skills	861	4					
7c4	Health Skills	861	3.7					
7c5	Personal Skills	863	3.8					

APPENDIX III COUNSELORS' PERCEPTION OF HOME ECONOMICS EDUCATION STATISTICAL DATA BY GROUP

GROUP		5b	7a1	7a2	7a3	7a4	7b1	7b2	7b3	7c1	7c2	7c3	7c4	7c5
All	AVE	4.44	3.33	3.43	2.91	3.26	2.98	3.26	3.17	3.75	3.77	3.87	3.60	3.67
Counsel	DEV	0.89	1.04	1.11	1.07	1.10	1.21	1.21	1.21	1.17	1.16	1.16	1.19	1.19
No: 937	VAR	0.78	1.08	1.23	1.15	1.21	1.47	1.47	1.46	1.37	1.35	1.35	1.43	1.41
Male	AVE	4.37	3.30	3.28	2.82	3.19	2.97	3.32	3.17	3.63	3.68	3.79	3.55	3.53
Counsel	DEV	0.90	0.99	1.03	1.02	1.05	1.18	1.15	1.18	1.14	1.16	1.16	1.16	1.15
No: 308	VAR	0.82	0.97	1.07	1.03	1.11	1.38	1.33	1.40	1.29	1.34	1.34	1.34	1.33
Female	AVE	4.55	3.42	3.53	2.97	3.36	2.95	3.23	3.13	3.80	3.82	3.93	3.62	3.75
Counsel	DEV	0.78	1.07	1.17	1.08	1.12	1.26	1.28	1.29	1.20	1.17	1.17	1.20	1.21
No: 384	VAR	0.61	1.15	1.36	1.18	1.25	1.58	1.63	1.66	1.44	1.37	1.37	1.45	1.48
Counsel	AVE	4.47	3.27	3.31	2.92	3.20	2.92	3.21	3.09	3.64	3.70	3.78	3.61	3.65
>50	DEV	0.91	1.03	1.14	1.13	1.10	1.25	1.26	1.24	1.20	1.19	1.26	1.23	1.19
No: 318	VAR	0.83	1.06	1.29	1.29	1.21	1.55	1.60	1.53	1.44	1.42	1.58	1.52	1.41
Counsel	AVE	4.45	3.36	3.49	2.93	3.29	3.03	3.30	3.23	3.81	3.82	3.93	3.60	3.69
<50	DEV	0.79	1.01	1.07	1.03	1.08	1.18	1.17	1.18	1.14	1.11	1.09	1.15	1.16
No:564	VAR	0.63	1.03	1.14	1.05	1.17	1.39	1.37	1.39	1.29	1.24	1.19	1.32	1.34
Male	AVE	4.40	3.15	3.10	2.81	3.07	2.93	3.17	3.01	3.50	3.59	3.64	3.49	3.45
>50	DEV	0.97	1.06	1.09	1.18	1.15	1.26	1.27	1.24	1.21	1.26	1.36	1.26	1.22
No:143	VAR	0.94	1.12	1.18	1.40	1.32	1.58	1.62	1.54	1.47	1.60	1.84	1.58	1.49
Female	AVE	4.58	3.36	3.40	3.04	3.30	2.95	3.19	3.10	3.66	3.73	3.81	3.63	3.77
>50	DEV	0.79	1.10	1.27	1.13	1.14	1.27	1.35	1.36	1.22	1.18	1.30	1.25	1.19
No: 135	VAR	0.63	1.21	1.62	1.28	1.29	1.60	1.83	1.84	1.48	1.38	1.69	1.57	1.41
No Large	AVE	4.65	3.41	3.59	3.26	3.56	3.24	3.53	3.44	3.68	3.76	3.85	3.59	3.82
Urban	DEV	0.54	0.73	0.84	0.88	0.98	1.00	0.92	0.91	1.30	1.14	1.03	1.22	1.22
No: 34	VAR	0.29	0.54	0.71	0.78	0.95	1.00	0.84	0.83	1.69	1.30	1.07	1.48	1.50
So Large	AVE	4.46	3.19	3.37	2.96	3.23	2.96	3.19	3.08	3.79	3.76	3.81	3.61	3.67
Urban	DEV	0.87	1.09	1.19	1.15	1.15	1.26	1.31	1.29	1.23	1.23	1.23	1.25	1.32
No: 114	VAR	0.76	1.19	1.43	1.33	1.32	1.58	1.72	1.65	1.52	1.51	2.51	1.55	1.73
Central	AVE	4.51	3.46	3.61	2.98	3.25	3.04	3.31	3.23	3.95	3.92	4.04	3.71	3.76
Schools	DEV	0.65	0.93	0.94	1.00	0.97	1.12	1.10	1.07	1.00	0.99	1.03	1.05	1.04
No: 140	VAR	0.42	0.86	0.88	0.99	0.94	1.25	1.21	1.15	0.99	0.97	1.07	1.09	1.08
North &	AVE	4.44	3.46	3.56	2.92	3.27	3.00	3.25	3.18	3.73	3.76	3.86	3.58	3.66
Central	DEV	0.83	1.01	1.09	1.05	1.08	1.19	1.20	1.20	1.17	1.13	1.15	1.20	1.19
No: 453	VAR	0.68	1.02	1.19	1.11	1.17	1.41	1.44	1.43	1.36	1.27	1.32	1.44	1.42
Counsel	AVE	4.45	3.38	3.50	3.04	3.21	2.92	3.23	3.13	3.66	3.72	3.83	3.56	3.63
>10 Yrs	DEV	0.87	1.03	1.11	1.07	1.09	1.21	1.23	1.21	1.22	1.18	1.19	1.22	1.19
No: 518	VAR	0.77	1.06	1.23	1.15	1.20	1.47	1.52	1.47	1.48	1.40	1.42	1.48	1.41
Counsel	AVE	4.46	3.45	3.58	2.99	3.34	3.10	3.37	3.27	3.90	3.86	3.95	3.67	3.74
<10 Yrs	DEV	0.80	0.99	1.03	1.02	1.05	1.16	1.10	1.15	1.02	1.05	1.06	1.10	1.12
No: 389	VAR	0.64	0.98	1.07	1.04	1.10	1.35	1.21	1.11	1.04	1.10	1.13	1.20	1.24
All Hi	AVE	4.42	3.26	3.36	2.91	3.27	2.99	3.29	3.21	3.82	3.85	3.94	3.66	3.74
Schools	DEV	0.87	1.01	1.08	1.06	1.10	1.20	1.20	1.19	1.15	1.14	1.13	1.17	1.19
No:573	VAR	0.75	1.02	1.17	1.13	1.21	1.44	1.44	1.41	1.33	1.31	1.28	1.36	1.41

APPENDIX III COUNSELORS' PERCEPTION OF HOME ECONOMICS EDUCATION STATISTICAL DATA BY GROUP

GROUP		5b	7a1	7a2	7a3	7a4	7b1	7b2	7b3	7c1	7c2	7c3	7c4	7c5
Middle	AVE	4.48	3.45	3.54	2.93	3.27	2.96	3.21	3.10	3.64	3.64	3.76	3.49	3.55
Jun Hi	DEV	0.91	1.08	1.15	1.09	1.10	1.23	1.22	1.25	1.19	1.18	1.19	1.23	1.18
No: 354	VAR	0.83	1.17	1.33	1.20	1.22	1.52	1.49	1.56	1.42	1.40	1.43	1.51	1.39
Urban	AVE	4.51	3.35	3.52	3.04	3.31	3.06	3.31	3.21	3.78	3.81	3.88	3.58	3.69
Schools	DEV	0.81	1.05	1.10	1.04	1.07	1.20	1.18	1.16	1.18	1.13	1.11	1.22	1.19
No: 271	VAR	0.66	1.09	1.20	1.08	1.15	1.43	1.39	1.34	1.38	1.27	1.23	1.49	1.43
All	AVE	4.42	3.32	3.38	2.88	3.21	2.84	3.16	3.06	3.69	3.68	3.80	3.56	3.65
Suburban	DEV	0.95	1.05	1.12	1.09	1.12	1.22	1.23	1.25	1.20	1.21	1.21	1.20	1.19
No: 454	VAR	0.90	1.09	1.24	1.18	1.25	1.48	1.51	1.55	1.43	1.46	1.47	1.43	1.41
Rural	AVE	4.45	3.34	3.41	2.86	3.32	3.14	3.40	3.31	3.84	3.90	3.98	3.71	3.68
Schools	DEV	0.85	1.05	1.13	1.10	1.13	1.21	1.21	1.20	1.13	1.09	1.11	1.18	1.23
No: 186	VAR	0.72	1.11	1.27	1.22	1.27	1.45	1.45	1.45	1.28	1.18	1.24	1.40	1.51
>1 000	AVE	4.42	3.27	3.40	2.90	3.21	2.94	3.26	3.15	3.72	3.76	3.84	3.57	3.65
Students	DEV	0.89	1.04	1.10	1.08	1.10	1.21	1.20	1.18	1.20	1.17	1.15	1.19	1.21
No: 571	VAR	0.80	1.08	1.21	1.16	1.21	1.45	1.43	1.38	1.43	1.37	1.32	1.43	1.46
<1 000	AVE	4.45	3.43	3.48	2.91	3.36	3.02	3.29	3.18	3.79	3.76	3.94	3.62	3.67
Students	DEV	0.89	1.02	1.10	1.05	1.07	1.21	1.20	1.24	1.13	1.14	1.12	1.21	1.15
No: 336	VAR	0.80	1.04	1.21	1.11	1.15	1.46	1.44	1.54	1.28	1.29	1.25	1.46	1.32
Home Ec	AVE	4.73	4.00	3.84	3.31	3.82	3.42	3.69	3.58	4.00	4.11	4.33	4.11	4.40
Majors	DEV	0.61	0.79	1.17	1.05	0.97	1.22	1.11	1.20	1.12	0.90	0.84	0.90	0.77
No: 45	VAR	0.37	0.62	1.38	1.10	0.95	1.49	1.24	1.44	1.24	0.81	0.71	0.81	0.60
PE	AVE	4.49	3.36	3.47	2.96	3.44	2.86	3.21	3.07	3.67	3.66	3.81	3.51	3.59
Majors	DEV	0.95	1.01	1.13	0.99	1.08	1.16	1.15	1.20	1.36	1.33	1.29	1.24	1.22
No: 70	VAR	0.91	1.03	1.28	0.98	1.16	1.35	1.31	1.44	1.85	1.77	1.67	1.54	1.50
Soc Sci	AVE	4.48	3.34	3.38	2.86	3.21	2.95	3.20	3.10	3.77	3.81	3.94	3.61	3.66
Majors	DEV	0.75	1.12	1.14	1.06	1.14	1.24	1.19	1.24	1.19	1.14	1.07	1.23	1.19
No: 128	VAR	0.56	1.26	1.30	1.12	1.29	1.53	1.43	1.53	1.41	1.31	1.15	1.50	1.43
Science/	AVE	4.58	3.40	3.40	2.89	3.25	3.15	3.49	3.19	3.82	3.89	4.00	3.66	3.83
Math Maj.	DEV	0.70	0.91	1.06	0.96	0.96	1.04	1.09	1.15	1.16	1.04	1.05	1.06	1.02
No: 89	VAR	0.49	0.83	1.12	0.93	0.93	1.09	1.19	1.32	1.34	1.09	1.10	1.12	1.04
PPS	AVE	4.46	3.46	3.53	3.00	3.44	3.09	3.33	3.26	3.82	3.84	3.92	3.71	3.67
	DEV	0.89	0.93	1.02	0.99	1.00	1.19	1.19	1.16	1.11	1.07	1.10	1.16	1.17
No: 273	VAR	0.80	0.86	1.05	0.97	1.01	1.41	1.42	1.35	1.22	1.14	1.21	1.34	1.38
Psych	AVE	4.60	3.49	3.35	3.02	3.40	3.07	3.56	3.47	3.77	4.07	4.09	3.86	3.86
Majors	DEV	0.72	0.82	1.08	0.93	0.97	1.11	1.08	1.21	1.05	0.76	0.88	1.00	0.98
No: 43	VAR	0.52	0.67	1.16	0.86	0.94	1.23	1.18	1.46	1.11	0.58	0.78	1.00	0.96
Liberal	AVE	4.39	3.19	3.26	2.83	3.17	2.78	3.08	3.01	3.64	3.65	3.77	3.49	3.59
Arts	DEV	0.98	1.09	1.20	1.09	1.15	1.24	1.27	1.31	1.27	1.28	1.26	1.33	1.28
No: 200	VAR	0.96	1.19	1.45	1.19	1.32	1.54	1.61	1.70	1.60	1.64	1.59	1.78	1.63

APPENDIX IV COUNSELORS' PERCEPTION OF HOME ECONOMICS EDUCATION STATISTICAL ANALYSIS

Question 5b

ALL COUNSELORS Vs	937	VAR	0.78	Diff Mean	0.07
		MEAN	4.44	Diff Var	0.003
ALL MALE COUNSELORS	308	VAR	0.82	Std Err	0.059
		MEAN	4.37	T	1.184
				Signif.	Nil
ALL MALE COUNSELORS Vs	308	VAR	0.82	Diff Mean	-0.17
		MEAN	4.37	Diff Var	0.004
ALL FEMALE COUNSELORS	384	VAR	0.61	Std Err	0.065
		MEAN	4.55	T	-2.76
				Signif.	Very
OVER 50 YRS OLD Vs	318	VAR	0.83	Diff Mean	0.02
		MEAN	4.47	Diff Var	0.003
UNDER 50 YRS OLD	564	VAR	0.63	Std Err	0.061
		MEAN	4.45	T	0.327
				Signif.	Nil
MALE OVER 50 YRS OLD Vs	143	VAR	0.94	Diff Mean	-0.17
		MEAN	4.4	Diff Var	0.011
FEMALE OVER 50 YRS OLD	135	VAR	0.63	Std Err	0.106
		MEAN	4.58	T	-1.69
				Signif.	Nil
NORTHERN SCHOOLS vs	313	VAR	0.74	Diff Mean	-0.02
		MEAN	4.42	Diff Var	0.004
SOUTHERN SCHOOLS	484	VAR	0.92	Std Err	0.065
		MEAN	4.44	T	-0.30
				Signif.	Nil
NORTH LARGE URBAN HS vs	34	VAR	0.29	Diff Mean	0.19
		MEAN	4.65	Diff Var	0.015
SOUTH LARGE URBAN HS	114	VAR	0.76	Std Err	0.123
		MEAN	4.46	T	1.541
				Signif.	Nil
CENTRAL CALIF Vs	140	VAR	0.42	Diff Mean	0.069
		MEAN	4.51	Diff Var	0.004
SOUTHERN CALIF	484	VAR	0.92	Std Err	0.070
		MEAN	4.44	T	0.999
				Signif.	Nil
NORTH/CENTRAL CALIF Vs	453	VAR	0.68	Diff Mean	0
		MEAN	4.44	Diff Var	0.003
SOUTHERN CALIF	484	VAR	0.92	Std Err	0.058
		MEAN	4.44	T	0
				Signif.	Nil
OVER 10 YRS EXPERIENCE Vs	518	VAR	0.77	Diff Mean	-0.00
		MEAN	4.45	Diff Var	0.003
UNDER 10 YRS	389	VAR	0.64	Std Err	0.055
		MEAN	4.46	T	-0.17
				Signif.	Nil

APPENDIX IV COUNSELORS' PERCEPTION OF HOME ECONOMICS EDUCATION STATISTICAL ANALYSIS

Question 5b

HIGH SCHOOLS Vs	573	VAR	0.75	Diff Mean	-0.06
		MEAN	4.42	Diff Var	0.003
MIDDLE & JR HI SCHOOLS	354	VAR	0.83	Std Err	0.060
		MEAN	4.48	T	-0.99
				Signif.	Nil
URBAN SCHOOLS Vs	271	VAR	0.66	Diff Mean	0.09
		MEAN	4.51	Diff Var	0.004
SUBURBAN SCHOOLS	454	VAR	0.9	Std Err	0.066
		MEAN	4.42	T	1.354
				Signif.	Nil
URBAN SCHOOLS	271	VAR	0.66	Diff Mean	0.06
		MEAN	4.51	Diff Var	0.006
RURAL SCHOOLS	186	VAR	0.72	Std Err	0.079
		MEAN	4.45	T	0.755
				Signif.	Nil
SUBURBAN SCHOOLS Vs	454	VAR	0.9	Diff Mean	-0.03
		MEAN	4.42	Diff Var	0.005
RURAL SCHOOLS	186	VAR	0.72	Std Err	0.076
		MEAN	4.45	T	-0.39
				Signif.	Nil
OVER 1000 STUDENTS Vs	571	VAR	0.8	Diff Mean	-0.03
		MEAN	4.42	Diff Var	0.003
UNDER 1000 STUDENTS	336	VAR	0.8	Std Err	0.061
		MEAN	4.45	T	-0.48
				Signif.	Nil
ALL COUNSELORS Vs	937	VAR	0.78	Diff Mean	-0.29
		MEAN	4.44	Diff Var	0.009
HOME EC MAJORS	45	VAR	0.37	Std Err	0.095
		MEAN	4.73	T	-3.04
				Signif.	Very
ALL COUNSELORS Vs	937	VAR	0.78	Diff Mean	-0.04
		MEAN	4.44	Diff Var	0.013
PE MAJORS	70	VAR	0.91	Std Err	0.117
		MEAN	4.49	T	-0.42
				Signif.	Nil
ALL COUNSELORS Vs	937	VAR	0.78	Diff Mean	-0.04
		MEAN	4.44	Diff Var	0.005
SOCIAL SCIENCE MAJORS	128	VAR	0.56	Std Err	0.072
		MEAN	4.48	T	-0.55
				Signif.	Nil
ALL COUNSELORS Vs	937	VAR	0.78	Diff Mean	-0.13
		MEAN	4.44	Diff Var	0.006
SCIENCE & MATH MAJORS	89	VAR	0.49	Std Err	0.079
		MEAN	4.58	T	-1.75
				Signif.	Nil

APPENDIX IV COUNSELORS' PERCEPTION OF HOME ECONOMICS EDUCATION STATISTICAL ANALYSIS

Question 5b

ALL COUNSELORS Vs	937	VAR	0.78	Diff Mean	-0.01
		MEAN	4.44	Diff Var	0.003
PPS & COUNSELING	273	VAR	0.8	Std Err	0.061
		MEAN	4.46	T	-0.32
				Signif.	Nil
ALL COUNSELORS Vs	937	VAR	0.78	Diff Mean	-0.15
		MEAN	4.44	Diff Var	0.012
PSYCH MAJORS	43	VAR	0.52	Std Err	0.113
		MEAN	4.6	T	-1.40
				Signif.	Nil
ALL COUNSELORS Vs	937	VAR	0.78	Diff Mean	0.050
		MEAN	4.44	Diff Var	0.005
LIBERAL ARTS MAJORS	200	VAR	0.96	Std Err	0.075
		MEAN	4.39	T	0.666
				Signif.	Nil
HOME EC MAJORS Vs	45	VAR	0.37	Diff Mean	0.24
		MEAN	4.73	Diff Var	0.021
PE MAJORS	70	VAR	0.91	Std Err	0.145
		MEAN	4.49	T	1.647
				Signif.	Nil
HOME EC MAJORS Vs	45	VAR	0.37	Diff Mean	0.340
		MEAN	4.73	Diff Var	0.013
LIBERAL ARTS MAJORS	200	VAR	0.96	Std Err	0.114
		MEAN	4.39	T	2.979
				Signif.	Very
HOME EC MAJORS Vs	45	VAR	0.37	Diff Mean	0.25
		MEAN	4.73	Diff Var	0.012
SOCIAL SCIENCE MAJORS	128	VAR	0.56	Std Err	0.112
		MEAN	4.48	T	2.227
				Signif.	Prob
HOME EC MAJORS Vs	45	VAR	0.37	Diff Mean	0.15
		MEAN	4.73	Diff Var	0.013
SCIENCE & MATH MAJORS	89	VAR	0.49	Std Err	0.117
		MEAN	4.58	T	1.280
				Signif.	Nil
HOME EC MAJORS Vs	45	VAR	0.37	Diff Mean	0.27
		MEAN	4.73	Diff Var	0.011
PPS & COUNSELING	273	VAR	0.8	Std Err	0.105
		MEAN	4.46	T	2.556
				Signif.	Yes

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Question 7a1

ALL COUNSELORS Vs	937	VAR	1.08	Diff Mean	0.03
		MEAN	3.33	Diff Var	0.004
ALL MALE COUNSELORS	308	VAR	0.97	Std Err	0.065
		MEAN	3.3	T	0.457
				Signif.	Nil
ALL MALE COUNSELORS Vs	308	VAR	0.97	Diff Mean	-0.12
		MEAN	3.3	Diff Var	0.006
ALL FEMALE COUNSELORS	384	VAR	1.15	Std Err	0.078
		MEAN	3.42	T	-1.53
				Signif.	Nil
OVER 50 YRS OLD Vs	318	VAR	1.06	Diff Mean	-0.08
		MEAN	3.27	Diff Var	0.005
UNDER 50 YRS OLD	564	VAR	1.03	Std Err	0.071
		MEAN	3.36	T	-1.25
				Signif.	Nil
MALE OVER 50 YRS OLD Vs	143	VAR	1.12	Diff Mean	-0.21
		MEAN	3.15	Diff Var	0.016
FEMALE OVER 50 YRS OLD	135	VAR	1.21	Std Err	0.129
		MEAN	3.36	T	-1.62
				Signif.	Nil
NORTHERN SCHOOLS vs	313	VAR	1.05	Diff Mean	-0.01
		MEAN	3.3	Diff Var	0.005
SOUTHERN SCHOOLS	484	VAR	1.17	Std Err	0.075
		MEAN	3.31	T	-0.13
				Signif.	Nil
NORTH LARGE URBAN HS vs	34	VAR	0.54	Diff Mean	0.22
		MEAN	3.41	Diff Var	0.026
SOUTH LARGE URBAN HS	114	VAR	1.19	Std Err	0.162
		MEAN	3.19	T	1.356
				Signif.	Nil
CENTRAL CALIF Vs	140	VAR	0.86	Diff Mean	0.15
		MEAN	3.46	Diff Var	0.008
SOUTHERN CALIF	484	VAR	1.17	Std Err	0.092
		MEAN	3.31	T	1.621
				Signif.	Nil
NORTH/CENTRAL CALIF Vs	453	VAR	1.02	Diff Mean	0.15
		MEAN	3.46	Diff Var	0.004
SOUTHERN CALIF	484	VAR	1.17	Std Err	0.068
		MEAN	3.31	T	2.195
				Signif.	Prob
OVER 10 YRS EXPERIENCE Vs	518	VAR	1.06	Diff Mean	-0.07
		MEAN	3.38	Diff Var	0.004
UNDER 10 YRS	389	VAR	0.98	Std Err	0.067
		MEAN	3.45	T	-1.03
				Signif.	Nil

APPENDIX IV COUNSELORS' PERCEPTION OF HOME ECONOMICS EDUCATION STATISTICAL ANALYSIS

Question 7a1

HIGH SCHOOLS Vs	573	VAR	1.02	Diff Mean	-0.19
		MEAN	3.26	Diff Var	0.005
MIDDLE & JR HI SCHOOLS	354	VAR	1.17	Std Err	0.071
		MEAN	3.45	T	-2.66
				Signif.	Very
URBAN SCHOOLS Vs	271	VAR	1.09	Diff Mean	0.03
		MEAN	3.35	Diff Var	0.006
SUBURBAN SCHOOLS	454	VAR	1.09	Std Err	0.080
		MEAN	3.32	T	0.374
				Signif.	Nil
URBAN SCHOOLS	271	VAR	1.09	Diff Mean	0.01
		MEAN	3.35	Diff Var	0.009
RURAL SCHOOLS	186	VAR	1.11	Std Err	0.099
		MEAN	3.34	T	0.100
				Signif.	Nil
SUBURBAN SCHOOLS Vs	454	VAR	1.09	Std Err	-0.02
		MEAN	3.32	T	0.008
RURAL SCHOOLS	186	VAR	1.11	Std Err	0.091
		MEAN	3.34	T	-0.21
				Signif.	Nil
OVER 1000 STUDENTS Vs	571	VAR	1.08	Diff Mean	-0.16
		MEAN	3.27	Diff Var	0.004
UNDER 1000 STUDENTS	336	VAR	1.04	Std Err	0.070
		MEAN	3.43	T	-2.26
				Signif.	Yes
ALL COUNSELORS Vs	937	VAR	1.08	Diff Mean	-0.66
		MEAN	3.33	Diff Var	0.014
HOME EC MAJORS	45	VAR	0.62	Std Err	0.122
		MEAN	4	T	-5.48
				Signif.	Very
ALL COUNSELORS Vs	937	VAR	1.08	Diff Mean	-0.02
		MEAN	3.33	Diff Var	0.015
PE MAJORS	70	VAR	1.03	Std Err	0.125
		MEAN	3.36	T	-0.23
				Signif.	Nil
ALL COUNSELORS Vs	937	VAR	1.08	Diff Mean	-0.00
		MEAN	3.33	Diff Var	0.010
SOCIAL SCIENCE MAJORS	128	VAR	1.26	Std Err	0.104
		MEAN	3.34	T	-0.09
				Signif.	Nil
ALL COUNSELORS Vs	937	VAR	1.08	Diff Mean	-0.06
		MEAN	3.33	Diff Var	0.010
SCIENCE & MATH MAJORS	89	VAR	0.83	Std Err	0.102
		MEAN	3.4	T	-0.68
				Signif.	Nil

APPENDIX IV COUNSELORS' PERCEPTION OF HOME ECONOMICS EDUCATION STATISTICAL ANALYSIS

Question 7a1

ALL COUNSELORS Vs	937	VAR	1.08	Diff Mean	-0.12
		MEAN	3.33	Diff Var	0.004
PPS & COUNSELING	273	VAR	0.86	Std Err	0.065
		MEAN	3.46	T	-1.98
				Signif.	Prob
ALL COUNSELORS Vs	937	VAR	1.08	Diff Mean	-0.16
		MEAN	3.33	Diff Var	0.016
PSYCH MAJORS	43	VAR	0.67	Std Err	0.129
		MEAN	3.49	T	-1.23
				Signif.	Nil
ALL COUNSELORS Vs	937	VAR	1.08	Diff Mean	0.14
		MEAN	3.33	Diff Var	0.007
LIBERAL ARTS MAJORS	200	VAR	1.19	Std Err	0.084
		MEAN	3.19	T	1.661
				Signif.	Nil
HOME EC MAJORS Vs	45	VAR	0.62	Std Err	0.64
		MEAN	4	T	0.028
PE MAJORS	70	VAR	1.03	Std Err	0.168
		MEAN	3.36	T	3.791
				Signif.	Very
HOME EC MAJORS Vs	45	VAR	0.62	Std Err	0.81
		MEAN	4	T	0.019
LIBERAL ARTS MAJORS	200	VAR	1.19	Std Err	0.140
		MEAN	3.19	T	5.766
				Signif.	Very
HOME EC MAJORS Vs	45	VAR	0.62	Std Err	0.66
		MEAN	4	T	0.023
SOCIAL SCIENCE MAJORS	128	VAR	1.26	Std Err	0.153
		MEAN	3.34	T	4.294
				Signif.	Very
HOME EC MAJORS Vs	45	VAR	0.62	Std Err	0.6
		MEAN	4	T	0.023
SCIENCE & MATH MAJORS	89	VAR	0.83	Std Err	0.151
		MEAN	3.4	T	3.947
				Signif.	Very
HOME EC MAJORS Vs	45	VAR	0.62	Std Err	0.54
		MEAN	4	T	0.016
PPS & COUNSELING	273	VAR	0.86	Std Err	0.130
		MEAN	3.46	T	4.150
				Signif.	Very

APPENDIX IV COUNSELORS' PERCEPTION OF HOME ECONOMICS EDUCATION STATISTICAL ANALYSIS

Question 7a2

ALL COUNSELORS Vs	937	VAR	1.23	Diff Mean	0.15
		MEAN	3.43	Diff Var	0.004
ALL MALE COUNSELORS	308	VAR	1.07	Std Err	0.069
		MEAN	3.28	T	2.168
				Signif.	Prob
ALL MALE COUNSELORS Vs	308	VAR	1.07	Diff Mean	-0.25
		MEAN	3.28	Diff Var	0.007
ALL FEMALE COUNSELORS	384	VAR	1.36	Std Err	0.083
		MEAN	3.53	T	-2.98
				Signif.	Very
OVER 50 YRS OLD Vs	318	VAR	1.29	Diff Mean	-0.18
		MEAN	3.31	Diff Var	0.006
UNDER 50 YRS OLD	564	VAR	1.14	Std Err	0.077
		MEAN	3.49	T	-2.30
				Signif.	Yes
MALE OVER 50 YRS OLD Vs	143	VAR	1.18	Diff Mean	-0.29
		MEAN	3.1	Diff Var	0.020
FEMALE OVER 50 YRS OLD	135	VAR	1.62	Std Err	0.142
		MEAN	3.4	T	-2.10
				Signif.	Prob
NORTHERN SCHOOLS vs	313	VAR	1.27	Diff Mean	-0.10
		MEAN	3.34	Diff Var	0.006
SOUTHERN SCHOOLS	484	VAR	1.29	Std Err	0.081
		MEAN	3.44	T	-1.21
				Signif.	Nil
NORTH LARGE URBAN HS vs	34	VAR	0.71	Diff Mean	0.22
		MEAN	3.59	Diff Var	0.033
SOUTH LARGE URBAN HS	114	VAR	1.43	Std Err	0.182
		MEAN	3.37	T	1.203
				Signif.	Nil
CENTRAL CALIF Vs	140	VAR	0.88	Diff Mean	0.17
		MEAN	3.61	Diff Var	0.008
SOUTHERN CALIF	484	VAR	1.29	Std Err	0.094
		MEAN	3.44	T	1.796
				Signif.	Nil
NORTH/CENTRAL CALIF Vs	453	VAR	1.19	Diff Mean	0.12
		MEAN	3.56	Diff Var	0.005
SOUTHERN CALIF	484	VAR	1.29	Std Err	0.072
		MEAN	3.44	T	1.649
				Signif.	Nil
OVER 10 YRS EXPERIENCE Vs	518	VAR	1.23	Diff Mean	-0.08
		MEAN	3.5	Diff Var	0.005
UNDER 10 YRS	389	VAR	1.07	Std Err	0.071
		MEAN	3.58	T	-1.11
				Signif.	Nil

APPENDIX IV COUNSELORS' PERCEPTION OF HOME ECONOMICS EDUCATION STATISTICAL ANALYSIS

Question 7a2

HIGH SCHOOLS Vs	573	VAR	1.17	Diff Mean	-0.18
		MEAN	3.36	Diff Var	0.005
MIDDLE & JR HI SCHOOLS	354	VAR	1.33	Std Err	0.076
		MEAN	3.54	T	-2.36
				Signif.	Yes
URBAN SCHOOLS Vs	271	VAR	1.2	Diff Mean	0.14
		MEAN	3.52	Diff Var	0.007
SUBURBAN SCHOOLS	454	VAR	1.24	Std Err	0.084
		MEAN	3.38	T	1.654
				Signif.	Nil
URBAN SCHOOLS Vs	271	VAR	1.2	Diff Mean	0.11
		MEAN	3.52	Diff Var	0.011
RURAL SCHOOLS	186	VAR	1.27	Std Err	0.106
		MEAN	3.41	T	1.036
				Signif.	Nil
SUBURBAN SCHOOLS	454	VAR	1.24	Std Err	-0.03
		MEAN	3.38	T	0.009
RURAL SCHOOLS	186	VAR	1.27	Std Err	0.097
		MEAN	3.41	T	-0.30
				Signif.	Nil
OVER 1000 STUDENTS Vs	571	VAR	1.21	Diff Mean	-0.08
		MEAN	3.4	Diff Var	0.005
UNDER 1000 STUDENTS	336	VAR	1.21	Std Err	0.075
		MEAN	3.48	T	-1.05
				Signif.	Nil
ALL COUNSELORS Vs	937	VAR	1.23	Diff Mean	-0.40
		MEAN	3.43	Diff Var	0.031
HOME EC MAJORS	45	VAR	1.38	Std Err	0.178
		MEAN	3.84	T	-2.29
				Signif.	Yes
ALL COUNSELORS Vs	937	VAR	1.23	Diff Mean	-0.04
		MEAN	3.43	Diff Var	0.019
PE MAJORS	70	VAR	1.28	Std Err	0.139
		MEAN	3.47	T	-0.28
				Signif.	Nil
ALL COUNSELORS Vs	937	VAR	1.23	Diff Mean	0.05
		MEAN	3.43	Diff Var	0.011
SOCIAL SCIENCE MAJORS	128	VAR	1.3	Std Err	0.107
		MEAN	3.38	T	0.466
				Signif.	Nil
ALL COUNSELORS Vs	937	VAR	1.23	Diff Mean	0.03
		MEAN	3.43	Diff Var	0.013
SCIENCE & MATH MAJORS	89	VAR	1.12	Std Err	0.117
		MEAN	3.4	T	0.254
				Signif.	Nil

APPENDIX IV COUNSELORS' PERCEPTION OF HOME ECONOMICS EDUCATION STATISTICAL ANALYSIS

Question 7a2

ALL COUNSELORS Vs	937	VAR	1.23	Diff Mean	-0.09
		MEAN	3.43	Diff Var	0.005
PPS & COUNSELING	273	VAR	1.05	Std Err	0.071
		MEAN	3.53	T	-1.39
				Signif.	Nil
ALL COUNSELORS Vs	937	VAR	1.23	Diff Mean	0.08
		MEAN	3.43	Diff Var	0.028
PSYCH MAJORS	43	VAR	1.16	Std Err	0.168
		MEAN	3.35	T	0.475
				Signif.	Nil
ALL COUNSELORS Vs	937	VAR	1.23	Diff Mean	0.17
		MEAN	3.43	Diff Var	0.008
LIBERAL ARTS MAJORS	200	VAR	1.45	Std Err	0.092
		MEAN	3.26	T	1.837
				Signif.	Near
HOME EC MAJORS	45	VAR	1.38	Std Err	0.37
		MEAN	3.84	T	0.048
PE MAJORS	70	VAR	1.28	Std Err	0.221
		MEAN	3.47	T	1.672
				Signif.	Nil
HOME EC MAJORS	45	VAR	1.38	Std Err	0.58
		MEAN	3.84	T	0.037
LIBERAL ARTS MAJORS	200	VAR	1.45	Std Err	0.194
		MEAN	3.26	T	2.978
				Signif.	Very
HOME EC MAJORS	45	VAR	1.38	Std Err	0.46
		MEAN	3.84	T	0.040
SOCIAL SCIENCE MAJORS	128	VAR	1.3	Std Err	0.202
		MEAN	3.38	T	2.276
				Signif.	Yes
HOME EC MAJORS	45	VAR	1.38	Std Err	0.44
		MEAN	3.84	T	0.043
SCIENCE & MATH MAJORS	89	VAR	1.12	Std Err	0.207
		MEAN	3.4	T	2.115
				Signif.	Prob
HOME EC MAJORS	45	VAR	1.38	Std Err	0.31
		MEAN	3.84	T	0.034
PPS & COUNSELING	273	VAR	1.05	Std Err	0.185
		MEAN	3.53	T	1.668
				Signif.	Nil

APPENDIX IV COUNSELORS' PERCEPTION OF HOME ECONOMICS EDUCATION STATISTICAL ANALYSIS

Question 7a3

ALL COUNSELORS Vs	937	VAR	1.15	Diff Mean	0.09
		MEAN	2.91	Diff Var	0.004
ALL MALE COUNSELORS	308	VAR	1.03	Std Err	0.067
		MEAN	2.82	T	1.331
				Signif.	Nil
ALL MALE COUNSELORS Vs	308	VAR	1.03	Diff Mean	-0.15
		MEAN	2.82	Diff Var	0.006
ALL FEMALE COUNSELORS	384	VAR	1.18	Std Err	0.080
		MEAN	2.97	T	-1.87
				Signif.	Near
OVER 50 YRS OLD Vs	318	VAR	1.29	Diff Mean	-0.01
		MEAN	2.92	Diff Var	0.005
UNDER 50 YRS OLD	564	VAR	1.05	Std Err	0.076
		MEAN	2.93	T	-0.12
				Signif.	Nil
MALE OVER 50 YRS OLD Vs	143	VAR	1.4	Diff Mean	-0.23
		MEAN	2.81	Diff Var	0.019
FEMALE OVER 50 YRS OLD	135	VAR	1.28	Std Err	0.138
		MEAN	3.04	T	-1.65
				Signif.	Nil
NORTHERN SCHOOLS vs	313	VAR	1.13	Diff Mean	0.01
		MEAN	2.91	Diff Var	0.006
SOUTHERN SCHOOLS	484	VAR	1.21	Std Err	0.078
		MEAN	2.9	T	0.127
				Signif.	Nil
NORTH LARGE URBAN HS vs	34	VAR	0.78	Diff Mean	0.3
		MEAN	3.26	Diff Var	0.034
SOUTH LARGE URBAN HS	114	VAR	1.33	Std Err	0.186
		MEAN	2.96	T	1.612
				Signif.	Nil
CENTRAL CALIF Vs	140	VAR	0.99	Diff Mean	0.08
		MEAN	2.98	Diff Var	0.009
SOUTHERN CALIF	484	VAR	1.21	Std Err	0.097
		MEAN	2.9	T	0.817
				Signif.	Nil
NORTH/CENTRAL CALIF Vs	453	VAR	1.11	Diff Mean	0.02
		MEAN	2.92	Diff Var	0.004
SOUTHERN CALIF	484	VAR	1.21	Std Err	0.070
		MEAN	2.9	T	0.284
				Signif.	Nil
OVER 10 YRS EXPERIENCE Vs	518	VAR	1.15	Diff Mean	0.05
		MEAN	3.04	Diff Var	0.004
UNDER 10 YRS	389	VAR	1.04	Std Err	0.069
		MEAN	2.99	T	0.714
				Signif.	Nil

APPENDIX IV COUNSELORS' PERCEPTION OF HOME ECONOMICS EDUCATION STATISTICAL ANALYSIS

Question 7a3

HIGH SCHOOLS Vs	573	VAR	1.13	Diff Mean	-0.02
		MEAN	2.91	Diff Var	0.005
MIDDLE & JR HI SCHOOLS	354	VAR	1.2	Std Err	0.073
		MEAN	2.93	T	-0.27
				Signif.	Nil
URBAN SCHOOLS Vs	271	VAR	1.08	Diff Mean	0.16
		MEAN	3.04	Diff Var	0.006
SUBURBAN SCHOOLS	454	VAR	1.18	Std Err	0.081
		MEAN	2.88	T	1.971
				Signif.	Prob
URBAN SCHOOLS Vs	271	VAR	1.08	Diff Mean	0.18
		MEAN	3.04	Diff Var	0.010
RURAL SCHOOLS	186	VAR	1.22	Std Err	0.102
		MEAN	2.86	T	1.752
				Signif.	Nil
SUBURBAN SCHOOLS	454	VAR	1.18	Std Err	0.02
		MEAN	2.88	T	0.009
RURAL SCHOOLS	186	VAR	1.22	Std Err	0.095
		MEAN	2.86	T	0.208
				Signif.	Nil
OVER 1000 STUDENTS Vs	571	VAR	1.16	Diff Mean	-0.01
		MEAN	2.9	Diff Var	0.005
UNDER 1000 STUDENTS	336	VAR	1.11	Std Err	0.073
		MEAN	2.91	T	-0.13
				Signif.	Nil
ALL COUNSELORS Vs	937	VAR	1.15	Diff Mean	-0.39
		MEAN	2.91	Diff Var	0.025
HOME EC MAJORS	45	VAR	1.1	Std Err	0.160
		MEAN	3.31	T	-2.49
				Signif.	Yes
ALL COUNSELORS Vs	937	VAR	1.15	Diff Mean	-0.04
		MEAN	2.91	Diff Var	0.015
PE MAJORS	70	VAR	0.98	Std Err	0.123
		MEAN	2.96	T	-0.40
				Signif.	Nil
ALL COUNSELORS Vs	937	VAR	1.15	Diff Mean	0.05
		MEAN	2.91	Diff Var	0.009
SOCIAL SCIENCE MAJORS	128	VAR	1.12	Std Err	0.099
		MEAN	2.86	T	0.500
				Signif.	Nil
ALL COUNSELORS Vs	937	VAR	1.15	Diff Mean	0.02
		MEAN	2.91	Diff Var	0.011
SCIENCE & MATH MAJORS	89	VAR	0.93	Std Err	0.108
		MEAN	2.89	T	0.185
				Signif.	Nil

APPENDIX IV COUNSELORS' PERCEPTION OF HOME ECONOMICS EDUCATION STATISTICAL ANALYSIS

Question 7a3

ALL COUNSELORS Vs	937	VAR	1.15	Diff Mean	-0.08
		MEAN	2.91	Diff Var	0.004
PPS & COUNSELING	273	VAR	0.97	Std Err	0.069
		MEAN	3	T	-1.30
				Signif.	Nil
ALL COUNSELORS Vs	937	VAR	1.15	Diff Mean	-0.10
		MEAN	2.91	Diff Var	0.021
PSYCH MAJORS	43	VAR	0.86	Std Err	0.145
		MEAN	3.02	T	-0.75
				Signif.	Nil
ALL COUNSELORS Vs	937	VAR	1.15	Diff Mean	0.08
		MEAN	2.91	Diff Var	0.007
LIBERAL ARTS MAJORS	200	VAR	1.19	Std Err	0.084
		MEAN	2.83	T	0.944
				Signif.	Nil
HOME EC MAJORS	45	VAR	1.1	Std Err	0.35
		MEAN	3.31	T	0.038
PE MAJORS	70	VAR	0.98	Std Err	0.196
		MEAN	2.96	T	1.785
				Signif.	Nil
HOME EC MAJORS	45	VAR	1.1	Std Err	0.48
		MEAN	3.31	T	0.030
LIBERAL ARTS MAJORS	200	VAR	1.19	Std Err	0.174
		MEAN	2.83	T	2.753
				Signif.	Very
HOME EC MAJORS	45	VAR	1.1	Std Err	0.45
		MEAN	3.31	T	0.033
SOCIAL SCIENCE MAJORS	128	VAR	1.12	Std Err	0.182
		MEAN	2.86	T	2.469
				Signif.	Yes
HOME EC MAJORS	45	VAR	1.1	Std Err	0.42
		MEAN	3.31	T	0.034
SCIENCE & MATH MAJORS	89	VAR	0.93	Std Err	0.186
		MEAN	2.89	T	2.248
				Signif.	Yes
HOME EC MAJORS	45	VAR	1.1	Std Err	0.31
		MEAN	3.31	T	0.027
PPS & COUNSELING	273	VAR	0.97	Std Err	0.167
		MEAN	3	T	1.852
				Signif.	Near

APPENDIX IV COUNSELORS' PERCEPTION OF HOME ECONOMICS EDUCATION STATISTICAL ANALYSIS

Question 7a4

ALL COUNSELORS Vs	937	VAR	1.21	Diff Mean	0.07
		MEAN	3.26	Diff Var	0.004
ALL MALE COUNSELORS	308	VAR	1.11	Std Err	0.069
		MEAN	3.19	T	1.000
				Signif.	Nil
ALL MALE COUNSELORS Vs	308	VAR	1.11	Diff Mean	-0.16
		MEAN	3.19	Diff Var	0.006
ALL FEMALE COUNSELORS	384	VAR	1.25	Std Err	0.082
		MEAN	3.36	T	-2.05
				Signif.	Prob
OVER 50 YRS OLD Vs	318	VAR	1.21	Diff Mean	-0.08
		MEAN	3.2	Diff Var	0.005
UNDER 50 YRS OLD	564	VAR	1.17	Std Err	0.076
		MEAN	3.29	T	-1.17
				Signif.	Nil
MALE OVER 50 YRS OLD Vs	143	VAR	1.32	Diff Mean	-0.23
		MEAN	3.07	Diff Var	0.018
FEMALE OVER 50 YRS OLD	135	VAR	1.29	Std Err	0.137
		MEAN	3.3	T	-1.67
				Signif.	Nil
NORTHERN SCHOOLS vs	313	VAR	1.24	Diff Mean	0.04
		MEAN	3.29	Diff Var	0.006
SOUTHERN SCHOOLS	484	VAR	1.27	Std Err	0.081
		MEAN	3.25	T	0.492
				Signif.	Nil
NORTH LARGE URBAN HS vs	34	VAR	0.95	Diff Mean	0.33
		MEAN	3.56	Diff Var	0.039
SOUTH LARGE URBAN HS	114	VAR	1.32	Std Err	0.198
		MEAN	3.23	T	1.659
				Signif.	Nil
CENTRAL CALIF Vs	140	VAR	0.94	Diff Mean	0
		MEAN	3.25	Diff Var	0.009
SOUTHERN CALIF	484	VAR	1.27	Std Err	0.096
		MEAN	3.25	T	0
				Signif.	Nil
NORTH/CENTRAL CALIF Vs	453	VAR	1.17	Diff Mean	0.02
		MEAN	3.27	Diff Var	0.005
SOUTHERN CALIF	484	VAR	1.27	Std Err	0.072
		MEAN	3.25	T	0.277
				Signif.	Nil
OVER 10 YRS EXPERIENCE Vs	518	VAR	1.2	Diff Mean	-0.12
		MEAN	3.21	Diff Var	0.005
UNDER 10 YRS	389	VAR	1.1	Std Err	0.071
		MEAN	3.34	T	-1.81
				Signif.	Near

APPENDIX IV COUNSELORS' PERCEPTION OF HOME ECONOMICS EDUCATION STATISTICAL ANALYSIS

Question 7a4

HIGH SCHOOLS Vs	573	VAR	1.21	Diff Mean	0
		MEAN	3.27	Diff Var	0.005
MIDDLE & JR HI SCHOOLS	354	VAR	1.22	Std Err	0.074
		MEAN	3.27	T	0
				Signif.	Nil
URBAN SCHOOLS Vs	271	VAR	1.15	Diff Mean	0.1
		MEAN	3.31	Diff Var	0.006
SUBURBAN SCHOOLS	454	VAR	1.25	Std Err	0.083
		MEAN	3.21	T	1.195
				Signif.	Nil
URBAN SCHOOLS Vs	271	VAR	1.15	Diff Mean	-0.00
		MEAN	3.31	Diff Var	0.011
RURAL SCHOOLS	186	VAR	1.27	Std Err	0.105
		MEAN	3.32	T	-0.09
				Signif.	Nil
SUBURBAN SCHOOLS	454	VAR	1.25	Std Err	-0.10
		MEAN	3.21	T	0.009
RURAL SCHOOLS	186	VAR	1.27	Std Err	0.097
		MEAN	3.32	T	-1.12
				Signif.	Nil
OVER 1000 STUDENTS Vs	571	VAR	1.21	Diff Mean	-0.14
		MEAN	3.21	Diff Var	0.005
UNDER 1000 STUDENTS	336	VAR	1.15	Std Err	0.074
		MEAN	3.36	T	-2.01
				Signif.	Prob
ALL COUNSELORS Vs	937	VAR	1.21	Diff Mean	-0.56
		MEAN	3.26	Diff Var	0.022
HOME EC MAJORS	45	VAR	0.95	Std Err	0.149
		MEAN	3.82	T	-3.74
				Signif.	Very
ALL COUNSELORS Vs	937	VAR	1.21	Diff Mean	-0.18
		MEAN	3.26	Diff Var	0.017
PE MAJORS	70	VAR	1.16	Std Err	0.133
		MEAN	3.44	T	-1.34
				Signif.	Nil
ALL COUNSELORS Vs	937	VAR	1.21	Diff Mean	0.05
		MEAN	3.26	Diff Var	0.011
SOCIAL SCIENCE MAJORS	128	VAR	1.29	Std Err	0.106
		MEAN	3.21	T	0.468
				Signif.	Nil
ALL COUNSELORS Vs	937	VAR	1.21	Diff Mean	0.01
		MEAN	3.26	Diff Var	0.011
SCIENCE & MATH MAJORS	89	VAR	0.93	Std Err	0.108
		MEAN	3.25	T	0.092
				Signif.	Nil

APPENDIX IV COUNSELORS' PERCEPTION OF HOME ECONOMICS EDUCATION STATISTICAL ANALYSIS

Question 7a4

ALL COUNSELORS Vs	937	VAR	1.21	Diff Mean	-0.18
		MEAN	3.26	Diff Var	0.004
PPS & COUNSELING	273	VAR	1.01	Std Err	0.070
		MEAN	3.44	T	-2.54
				Signif.	Yes
ALL COUNSELORS Vs	937	VAR	1.21	Diff Mean	-0.14
		MEAN	3.26	Diff Var	0.023
PSYCH MAJORS	43	VAR	0.94	Std Err	0.152
		MEAN	3.4	T	-0.92
				Signif.	Nil
ALL COUNSELORS Vs	937	VAR	1.21	Diff Mean	0.09
		MEAN	3.26	Diff Var	0.007
LIBERAL ARTS MAJORS	200	VAR	1.32	Std Err	0.088
		MEAN	3.17	T	1.013
				Signif.	Nil
HOME EC MAJORS	45	VAR	0.95	Std Err	0.38
		MEAN	3.82	T	0.037
PE MAJORS	70	VAR	1.16	Std Err	0.194
		MEAN	3.44	T	1.957
				Signif.	Prob
HOME EC MAJORS	45	VAR	0.95	Std Err	0.65
		MEAN	3.82	T	0.027
LIBERAL ARTS MAJORS	200	VAR	1.32	Std Err	0.166
		MEAN	3.17	T	3.904
				Signif.	Very
HOME EC MAJORS	45	VAR	0.95	Std Err	0.61
		MEAN	3.82	T	0.031
SOCIAL SCIENCE MAJORS	128	VAR	1.29	Std Err	0.176
		MEAN	3.21	T	3.454
				Signif.	Very
HOME EC MAJORS	45	VAR	0.95	Std Err	0.57
		MEAN	3.82	T	0.031
SCIENCE & MATH MAJORS	89	VAR	0.93	Std Err	0.177
		MEAN	3.25	T	3.208
				Signif.	Very
HOME EC MAJORS	45	VAR	0.95	Std Err	0.38
		MEAN	3.82	T	0.024
PPS & COUNSELING	273	VAR	1.01	Std Err	0.157
		MEAN	3.44	T	2.412
				Signif.	Yes

APPENDIX IV COUNSELORS' PERCEPTION OF HOME ECONOMICS EDUCATION STATISTICAL ANALYSIS

Question 7b1

ALL COUNSELORS Vs	937	VAR	1.47	Diff Mean	0.01
		MEAN	2.98	Diff Var	0.006
ALL MALE COUNSELORS	308	VAR	1.38	Std Err	0.077
		MEAN	2.97	T	0.128
				Signif.	Nil
ALL MALE COUNSELORS Vs	308	VAR	1.38	Diff Mean	0.02
		MEAN	2.97	Diff Var	0.008
ALL FEMALE COUNSELORS	384	VAR	1.58	Std Err	0.092
		MEAN	2.95	T	0.215
				Signif.	Nil
OVER 50 YRS OLD Vs	318	VAR	1.55	Diff Mean	-0.10
		MEAN	2.92	Diff Var	0.007
UNDER 50 YRS OLD	564	VAR	1.39	Std Err	0.085
		MEAN	3.03	T	-1.28
				Signif.	Nil
MALE OVER 50 YRS OLD Vs	143	VAR	1.58	Diff Mean	-0.02
		MEAN	2.93	Diff Var	0.022
FEMALE OVER 50 YRS OLD	135	VAR	1.6	Std Err	0.151
		MEAN	2.95	T	-0.13
				Signif.	Nil
NORTHERN SCHOOLS vs	313	VAR	1.48	Diff Mean	0.03
		MEAN	2.99	Diff Var	0.007
SOUTHERN SCHOOLS	484	VAR	1.53	Std Err	0.088
		MEAN	2.96	T	0.337
				Signif.	Nil
NORTH LARGE URBAN HS vs	34	VAR	1	Diff Mean	0.28
		MEAN	3.24	Diff Var	0.043
SOUTH LARGE URBAN HS	114	VAR	1.58	Std Err	0.208
		MEAN	2.96	T	1.346
				Signif.	Nil
CENTRAL CALIF Vs	140	VAR	1.25	Diff Mean	0.08
		MEAN	3.04	Diff Var	0.012
SOUTHERN CALIF	484	VAR	1.53	Std Err	0.109
		MEAN	2.96	T	0.727
				Signif.	Nil
NORTH/CENTRAL CALIF Vs	453	VAR	1.41	Diff Mean	0.04
		MEAN	3	Diff Var	0.006
SOUTHERN CALIF	484	VAR	1.53	Std Err	0.079
		MEAN	2.96	T	0.505
				Signif.	Nil
OVER 10 YRS EXPERIENCE Vs	518	VAR	1.47	Diff Mean	-0.18
		MEAN	2.92	Diff Var	0.006
UNDER 10 YRS	389	VAR	1.35	Std Err	0.079
		MEAN	3.1	T	-2.26
				Signif.	Yes

APPENDIX IV COUNSELORS' PERCEPTION OF HOME ECONOMICS EDUCATION STATISTICAL ANALYSIS

Question 7b1

HIGH SCHOOLS Vs	573	VAR	1.44	Diff Mean	0.03
		MEAN	2.99	Diff Var	0.006
MIDDLE & JR HI SCHOOLS	354	VAR	1.52	Std Err	0.082
		MEAN	2.96	T	0.363
				Signif.	Nil
URBAN SCHOOLS Vs	271	VAR	1.43	Diff Mean	0.22
		MEAN	3.06	Diff Var	0.008
SUBURBAN SCHOOLS	454	VAR	1.48	Std Err	0.092
		MEAN	2.84	T	2.381
				Signif.	Yes
URBAN SCHOOLS Vs	271	VAR	1.43	Diff Mean	-0.08
		MEAN	3.06	Diff Var	0.013
RURAL SCHOOLS	186	VAR	1.45	Std Err	0.114
		MEAN	3.14	T	-0.69
				Signif.	Nil
SUBURBAN SCHOOLS	454	VAR	1.48	Std Err	-0.30
		MEAN	2.84	T	0.011
RURAL SCHOOLS	186	VAR	1.45	Std Err	0.105
		MEAN	3.14	T	-2.85
				Signif.	Very
OVER 1000 STUDENTS Vs	571	VAR	1.45	Diff Mean	-0.08
		MEAN	2.94	Diff Var	0.006
UNDER 1000 STUDENTS	336	VAR	1.46	Std Err	0.082
		MEAN	3.02	T	-0.96
				Signif.	Nil
ALL COUNSELORS Vs	937	VAR	1.47	Diff Mean	-0.43
		MEAN	2.98	Diff Var	0.034
HOME EC MAJORS	45	VAR	1.49	Std Err	0.186
		MEAN	3.42	T	-2.36
				Signif.	Yes
ALL COUNSELORS Vs	937	VAR	1.47	Diff Mean	0.12
		MEAN	2.98	Diff Var	0.020
PE MAJORS	70	VAR	1.35	Std Err	0.144
		MEAN	2.86	T	0.830
				Signif.	Nil
ALL COUNSELORS Vs	937	VAR	1.47	Diff Mean	0.03
		MEAN	2.98	Diff Var	0.013
SOCIAL SCIENCE MAJORS	128	VAR	1.53	Std Err	0.116
		MEAN	2.95	T	0.257
				Signif.	Nil
ALL COUNSELORS Vs	937	VAR	1.47	Diff Mean	-0.16
		MEAN	2.98	Diff Var	0.013
SCIENCE & MATH MAJORS	89	VAR	1.09	Std Err	0.117
		MEAN	3.15	T	-1.44
				Signif.	Nil

APPENDIX IV COUNSELORS' PERCEPTION OF HOME ECONOMICS EDUCATION STATISTICAL ANALYSIS

Question 7b1

ALL COUNSELORS Vs	937	VAR	1.47	Diff Mean	-0.10
		MEAN	2.98	Diff Var	0.006
PPS & COUNSELING	273	VAR	1.41	Std Err	0.082
		MEAN	3.09	T	-1.34
				Signif.	Nil
ALL COUNSELORS Vs	937	VAR	1.47	Diff Mean	-0.08
		MEAN	2.98	Diff Var	0.030
PSYCH MAJORS	43	VAR	1.23	Std Err	0.173
		MEAN	3.07	T	-0.51
				Signif.	Nil
ALL COUNSELORS Vs	937	VAR	1.47	Diff Mean	0.2
		MEAN	2.98	Diff Var	0.009
LIBERAL ARTS MAJORS	200	VAR	1.54	Std Err	0.096
		MEAN	2.78	T	2.077
				Signif.	Prob
HOME EC MAJORS	45	VAR	1.49	Std Err	0.56
		MEAN	3.42	T	0.052
PE MAJORS	70	VAR	1.35	Std Err	0.228
		MEAN	2.86	T	2.446
				Signif.	Yes
HOME EC MAJORS	45	VAR	1.49	Std Err	0.64
		MEAN	3.42	T	0.040
LIBERAL ARTS MAJORS	200	VAR	1.54	Std Err	0.202
		MEAN	2.78	T	3.168
				Signif.	Very
HOME EC MAJORS	45	VAR	1.49	Std Err	0.47
		MEAN	3.42	T	0.045
SOCIAL SCIENCE MAJORS	128	VAR	1.53	Std Err	0.212
		MEAN	2.95	T	2.214
				Signif.	Prob
HOME EC MAJORS	45	VAR	1.49	Std Err	0.27
		MEAN	3.42	T	0.045
SCIENCE & MATH MAJORS	89	VAR	1.09	Std Err	0.212
		MEAN	3.15	T	1.267
				Signif.	Nil
HOME EC MAJORS	45	VAR	1.49	Std Err	0.33
		MEAN	3.42	T	0.038
PPS & COUNSELING	273	VAR	1.41	Std Err	0.195
		MEAN	3.09	T	1.686
				Signif.	Nil

APPENDIX IV COUNSELORS' PERCEPTION OF HOME ECONOMICS EDUCATION STATISTICAL ANALYSIS

Question 7b2

ALL COUNSELORS Vs	937	VAR	1.47	Diff Mean	-0.06
		MEAN	3.26	Diff Var	0.005
ALL MALE COUNSELORS	308	VAR	1.33	Std Err	0.076
		MEAN	3.32	T	-0.78
				Signif.	Nil
ALL MALE COUNSELORS Vs	308	VAR	1.33	Diff Mean	0.09
		MEAN	3.32	Diff Var	0.008
ALL FEMALE COUNSELORS	384	VAR	1.63	Std Err	0.092
		MEAN	3.23	T	0.972
				Signif.	Nil
OVER 50 YRS OLD Vs	318	VAR	1.6	Diff Mean	-0.08
		MEAN	3.21	Diff Var	0.007
UNDER 50 YRS OLD	564	VAR	1.37	Std Err	0.086
		MEAN	3.3	T	-1.04
				Signif.	Nil
MALE OVER 50 YRS OLD Vs	143	VAR	1.62	Diff Mean	-0.02
		MEAN	3.17	Diff Var	0.024
FEMALE OVER 50 YRS OLD	135	VAR	1.83	Std Err	0.157
		MEAN	3.19	T	-0.12
				Signif.	Nil
NORTHERN SCHOOLS vs	313	VAR	1.54	Diff Mean	-0.04
		MEAN	3.23	Diff Var	0.007
SOUTHERN SCHOOLS	484	VAR	1.49	Std Err	0.089
		MEAN	3.27	T	-0.44
				Signif.	Nil
NORTH LARGE URBAN HS vs	34	VAR	0.84	Diff Mean	0.34
		MEAN	3.53	Diff Var	0.039
SOUTH LARGE URBAN HS	114	VAR	1.72	Std Err	0.199
		MEAN	3.19	T	1.704
				Signif.	Nil
CENTRAL CALIF Vs	140	VAR	1.21	Diff Mean	0.04
		MEAN	3.31	Diff Var	0.011
SOUTHERN CALIF	484	VAR	1.49	Std Err	0.108
		MEAN	3.27	T	0.369
				Signif.	Nil
NORTH/CENTRAL CALIF Vs	453	VAR	1.44	Diff Mean	-0.02
		MEAN	3.25	Diff Var	0.006
SOUTHERN CALIF	484	VAR	1.49	Std Err	0.079
		MEAN	3.27	T	-0.25
				Signif.	Nil
OVER 10 YRS EXPERIENCE Vs	518	VAR	1.52	Diff Mean	-0.14
		MEAN	3.23	Diff Var	0.006
UNDER 10 YRS	389	VAR	1.21	Std Err	0.077
		MEAN	3.37	T	-1.80
				Signif.	Near

APPENDIX IV COUNSELORS' PERCEPTION OF HOME ECONOMICS EDUCATION STATISTICAL ANALYSIS

Question 7b2

HIGH SCHOOLS Vs	573	VAR	1.44	Diff Mean	0.08
		MEAN	3.29	Diff Var	0.006
MIDDLE & JR HI SCHOOLS	354	VAR	1.49	Std Err	0.081
		MEAN	3.21	T	0.975
				Signif.	Nil
URBAN SCHOOLS Vs	271	VAR	1.39	Diff Mean	0.15
		MEAN	3.31	Diff Var	0.008
SUBURBAN SCHOOLS	454	VAR	1.51	Std Err	0.091
		MEAN	3.16	T	1.631
				Signif.	Nil
URBAN SCHOOLS Vs	271	VAR	1.39	Diff Mean	-0.08
		MEAN	3.31	Diff Var	0.012
RURAL SCHOOLS	186	VAR	1.45	Std Err	0.113
		MEAN	3.4	T	-0.79
				Signif.	Nil
SUBURBAN SCHOOLS	454	VAR	1.51	Std Err	-0.23
		MEAN	3.16	T	0.011
RURAL SCHOOLS	186	VAR	1.45	Std Err	0.105
		MEAN	3.4	T	-2.27
				Signif.	Yes
OVER 1000 STUDENTS Vs	571	VAR	1.43	Diff Mean	-0.03
		MEAN	3.26	Diff Var	0.006
UNDER 1000 STUDENTS	336	VAR	1.44	Std Err	0.082
		MEAN	3.29	T	-0.36
				Signif.	Nil
ALL COUNSELORS Vs	937	VAR	1.47	Diff Mean	-0.43
		MEAN	3.26	Diff Var	0.029
HOME EC MAJORS	45	VAR	1.24	Std Err	0.170
		MEAN	3.69	T	-2.51
				Signif.	Yes
ALL COUNSELORS Vs	937	VAR	1.47	Diff Mean	0.05
		MEAN	3.26	Diff Var	0.020
PE MAJORS	70	VAR	1.31	Std Err	0.142
		MEAN	3.21	T	0.351
				Signif.	Nil
ALL COUNSELORS Vs	937	VAR	1.47	Diff Mean	0.06
		MEAN	3.26	Diff Var	0.012
SOCIAL SCIENCE MAJORS	128	VAR	1.43	Std Err	0.112
		MEAN	3.2	T	0.531
				Signif.	Nil
ALL COUNSELORS Vs	937	VAR	1.47	Diff Mean	-0.23
		MEAN	3.26	Diff Var	0.014
SCIENCE & MATH MAJORS	89	VAR	1.19	Std Err	0.122
		MEAN	3.49	T	-1.88
				Signif.	Near

APPENDIX IV COUNSELORS' PERCEPTION OF HOME ECONOMICS EDUCATION STATISTICAL ANALYSIS

Question 7b2

ALL COUNSELORS Vs	937	VAR	1.47	Diff Mean	-0.07
		MEAN	3.26	Diff Var	0.006
PPS & COUNSELING	273	VAR	1.42	Std Err	0.082
		MEAN	3.33	T	-0.85
				Signif.	Nil
ALL COUNSELORS Vs	937	VAR	1.47	Diff Mean	-0.30
		MEAN	3.26	Diff Var	0.029
PSYCH MAJORS	43	VAR	1.18	Std Err	0.170
		MEAN	3.56	T	-1.76
				Signif.	Nil
ALL COUNSELORS Vs	937	VAR	1.47	Diff Mean	0.18
		MEAN	3.26	Diff Var	0.009
LIBERAL ARTS MAJORS	200	VAR	1.61	Std Err	0.098
		MEAN	3.08	T	1.835
				Signif.	Near
HOME EC MAJORS	45	VAR	1.24	Std Err	0.48
		MEAN	3.69	T	0.046
PE MAJORS	70	VAR	1.31	Std Err	0.215
		MEAN	3.21	T	2.231
				Signif.	Prob
HOME EC MAJORS	45	VAR	1.24	Std Err	0.61
		MEAN	3.69	T	0.035
LIBERAL ARTS MAJORS	200	VAR	1.61	Std Err	0.188
		MEAN	3.08	T	3.232
				Signif.	Very
HOME EC MAJORS	45	VAR	1.24	Std Err	0.49
		MEAN	3.69	T	0.038
SOCIAL SCIENCE MAJORS	128	VAR	1.43	Std Err	0.196
		MEAN	3.2	T	2.489
				Signif.	Yes
HOME EC MAJORS	45	VAR	1.24	Std Err	0.2
		MEAN	3.69	T	0.040
SCIENCE & MATH MAJORS	89	VAR	1.19	Std Err	0.202
		MEAN	3.49	T	0.988
				Signif.	Nil
HOME EC MAJORS	45	VAR	1.24	Std Err	0.36
		MEAN	3.69	T	0.032
PPS & COUNSELING	273	VAR	1.42	Std Err	0.180
		MEAN	3.33	T	1.989
				Signif.	Prob

APPENDIX IV COUNSELORS' PERCEPTION OF HOME ECONOMICS EDUCATION STATISTICAL ANALYSIS

Question 7b3

ALL COUNSELORS Vs	937	VAR	1.46	Diff Mean	0
		MEAN	3.17	Diff Var	0.006
ALL MALE COUNSELORS	308	VAR	1.4	Std Err	0.078
		MEAN	3.17	T	0
				Signif.	Nil
ALL MALE COUNSELORS Vs	308	VAR	1.4	Diff Mean	0.04
		MEAN	3.17	Diff Var	0.008
ALL FEMALE COUNSELORS	384	VAR	1.66	Std Err	0.094
		MEAN	3.13	T	0.424
				Signif.	Nil
OVER 50 YRS OLD Vs	318	VAR	1.53	Diff Mean	-0.14
		MEAN	3.09	Diff Var	0.007
UNDER 50 YRS OLD	564	VAR	1.39	Std Err	0.085
		MEAN	3.23	T	-1.64
				Signif.	Nil
MALE OVER 50 YRS OLD Vs	143	VAR	1.54	Diff Mean	-0.09
		MEAN	3.01	Diff Var	0.024
FEMALE OVER 50 YRS OLD	135	VAR	1.84	Std Err	0.156
		MEAN	3.1	T	-0.57
				Signif.	Nil
NORTHERN SCHOOLS vs	313	VAR	1.56	Diff Mean	0.01
		MEAN	3.16	Diff Var	0.008
SOUTHERN SCHOOLS	484	VAR	1.49	Std Err	0.089
		MEAN	3.15	T	0.111
				Signif.	Nil
NORTH LARGE URBAN HS vs	34	VAR	0.83	Diff Mean	0.36
		MEAN	3.44	Diff Var	0.038
SOUTH LARGE URBAN HS	114	VAR	1.65	Std Err	0.197
		MEAN	3.08	T	1.825
				Signif.	Close
CENTRAL CALIF Vs	140	VAR	1.15	Diff Mean	0.08
		MEAN	3.23	Diff Var	0.011
SOUTHERN CALIF	484	VAR	1.49	Std Err	0.106
		MEAN	3.15	T	0.752
				Signif.	Nil
NORTH/CENTRAL CALIF Vs	453	VAR	1.43	Diff Mean	0.03
		MEAN	3.18	Diff Var	0.006
SOUTHERN CALIF	484	VAR	1.49	Std Err	0.078
		MEAN	3.15	T	0.379
				Signif.	Nil
OVER 10 YRS EXPERIENCE Vs	518	VAR	1.47	Diff Mean	-0.14
		MEAN	3.13	Diff Var	0.006
UNDER 10 YRS	389	VAR	1.33	Std Err	0.079
		MEAN	3.27	T	-1.76
				Signif.	Nil

APPENDIX IV COUNSELORS' PERCEPTION OF HOME ECONOMICS EDUCATION STATISTICAL ANALYSIS

Question 7b3

HIGH SCHOOLS Vs	573	VAR	1.41	Diff Mean	0.11
		MEAN	3.21	Diff Var	0.006
MIDDLE & JR HI SCHOOLS	354	VAR	1.56	Std Err	0.082
		MEAN	3.1	T	1.327
				Signif.	Nil
URBAN SCHOOLS Vs	271	VAR	1.34	Diff Mean	0.15
		MEAN	3.21	Diff Var	0.008
SUBURBAN SCHOOLS	454	VAR	1.55	Std Err	0.091
		MEAN	3.06	T	1.640
				Signif.	Nil
URBAN SCHOOLS Vs	271	VAR	1.34	Diff Mean	-0.10
		MEAN	3.21	Diff Var	0.012
RURAL SCHOOLS	186	VAR	1.45	Std Err	0.112
		MEAN	3.31	T	-0.88
				Signif.	Nil
SUBURBAN SCHOOLS	454	VAR	1.55	Std Err	-0.25
		MEAN	3.06	T	0.011
RURAL SCHOOLS	186	VAR	1.45	Std Err	0.105
		MEAN	3.31	T	-2.36
				Signif.	Yes
OVER 1000 STUDENTS Vs	571	VAR	1.38	Diff Mean	-0.03
		MEAN	3.15	Diff Var	0.007
UNDER 1000 STUDENTS	336	VAR	1.54	Std Err	0.083
		MEAN	3.18	T	-0.35
				Signif.	Nil
ALL COUNSELORS Vs	937	VAR	1.46	Diff Mean	-0.41
		MEAN	3.17	Diff Var	0.033
HOME EC MAJORS	45	VAR	1.44	Std Err	0.183
		MEAN	3.58	T	-2.23
				Signif.	Prob
ALL COUNSELORS Vs	937	VAR	1.46	Diff Mean	0.1
		MEAN	3.17	Diff Var	0.022
PE MAJORS	70	VAR	1.44	Std Err	0.148
		MEAN	3.07	T	0.672
				Signif.	Nil
ALL COUNSELORS Vs	937	VAR	1.46	Diff Mean	0.07
		MEAN	3.17	Diff Var	0.013
SOCIAL SCIENCE MAJORS	128	VAR	1.53	Std Err	0.116
		MEAN	3.1	T	0.602
				Signif.	Nil
ALL COUNSELORS Vs	937	VAR	1.46	Diff Mean	-0.02
		MEAN	3.17	Diff Var	0.016
SCIENCE & MATH MAJORS	89	VAR	1.32	Std Err	0.128
		MEAN	3.19	T	-0.15
				Signif.	Nil

APPENDIX IV COUNSELORS' PERCEPTION OF HOME ECONOMICS EDUCATION STATISTICAL ANALYSIS

Question 7b3

ALL COUNSELORS Vs	937	VAR	1.46	Diff Mean	-0.08
		MEAN	3.17	Diff Var	0.006
PPS & COUNSELING	273	VAR	1.35	Std Err	0.080
		MEAN	3.26	T	-1.11
				Signif.	Nil
ALL COUNSELORS Vs	937	VAR	1.46	Diff Mean	-0.30
		MEAN	3.17	Diff Var	0.035
PSYCH MAJORS	43	VAR	1.46	Std Err	0.188
		MEAN	3.47	T	-1.59
				Signif.	Nil
ALL COUNSELORS Vs	937	VAR	1.46	Diff Mean	0.16
		MEAN	3.17	Diff Var	0.010
LIBERAL ARTS MAJORS	200	VAR	1.7	Std Err	0.100
		MEAN	3.01	T	1.595
				Signif.	Nil
HOME EC MAJORS	45	VAR	1.44	Std Err	0.51
		MEAN	3.58	T	0.052
PE MAJORS	70	VAR	1.44	Std Err	0.229
		MEAN	3.07	T	2.224
				Signif.	Yes
HOME EC MAJORS	45	VAR	1.44	Std Err	0.57
		MEAN	3.58	T	0.040
LIBERAL ARTS MAJORS	200	VAR	1.7	Std Err	0.201
		MEAN	3.01	T	2.832
				Signif.	Very
HOME EC MAJORS	45	VAR	1.44	Std Err	0.48
		MEAN	3.58	T	0.043
SOCIAL SCIENCE MAJORS	128	VAR	1.53	Std Err	0.209
		MEAN	3.1	T	2.289
				Signif.	Yes
HOME EC MAJORS	45	VAR	1.44	Std Err	0.39
		MEAN	3.58	T	0.046
SCIENCE & MATH MAJORS	89	VAR	1.32	Std Err	0.216
		MEAN	3.19	T	1.802
				Signif.	Near
HOME EC MAJORS	45	VAR	1.44	Std Err	0.32
		MEAN	3.58	T	0.036
PPS & COUNSELING	273	VAR	1.35	Std Err	0.192
		MEAN	3.26	T	1.664
				Signif.	Nil

APPENDIX IV COUNSELORS' PERCEPTION OF HOME ECONOMICS EDUCATION STATISTICAL ANALYSIS

Question 7c1

ALL COUNSELORS Vs	937	VAR	1.37	Diff Mean	0.12
		MEAN	3.75	Diff Var	0.005
ALL MALE COUNSELORS	308	VAR	1.29	Std Err	0.075
		MEAN	3.63	T	1.596
				Signif.	Nil
ALL MALE COUNSELORS Vs	308	VAR	1.29	Diff Mean	-0.16
		MEAN	3.63	Diff Var	0.007
ALL FEMALE COUNSELORS	384	VAR	1.44	Std Err	0.089
		MEAN	3.8	T	-1.90
				Signif.	Near
OVER 50 YRS OLD Vs	318	VAR	1.44	Diff Mean	-0.16
		MEAN	3.64	Diff Var	0.006
UNDER 50 YRS OLD	564	VAR	1.29	Std Err	0.082
		MEAN	3.81	T	-2.05
				Signif.	Prob
MALE OVER 50 YRS OLD Vs	143	VAR	1.47	Diff Mean	-0.16
		MEAN	3.5	Diff Var	0.021
FEMALE OVER 50 YRS OLD	135	VAR	1.48	Std Err	0.145
		MEAN	3.66	T	-1.09
				Signif.	Nil
NORTHERN SCHOOLS vs	313	VAR	1.46	Diff Mean	-0.11
		MEAN	3.64	Diff Var	0.007
SOUTHERN SCHOOLS	484	VAR	1.41	Std Err	0.087
		MEAN	3.76	T	-1.37
				Signif.	Nil
NORTH LARGE URBAN HS vs	34	VAR	1.69	Diff Mean	-0.10
		MEAN	3.68	Diff Var	0.063
SOUTH LARGE URBAN HS	114	VAR	1.52	Std Err	0.251
		MEAN	3.79	T	-0.43
				Signif.	Nil
CENTRAL CALIF Vs	140	VAR	0.99	Diff Mean	0.19
		MEAN	3.95	Diff Var	0.009
SOUTHERN CALIF	484	VAR	1.41	Std Err	0.099
		MEAN	3.76	T	1.901
				Signif.	Near
NORTH/CENTRAL CALIF Vs	453	VAR	1.36	Diff Mean	-0.02
		MEAN	3.73	Diff Var	0.005
SOUTHERN CALIF	484	VAR	1.41	Std Err	0.076
		MEAN	3.76	T	-0.39
				Signif.	Nil
OVER 10 YRS EXPERIENCE Vs	518	VAR	1.48	Diff Mean	-0.23
		MEAN	3.66	Diff Var	0.005
UNDER 10 YRS	389	VAR	1.04	Std Err	0.074
		MEAN	3.9	T	-3.22
				Signif.	Very

APPENDIX IV COUNSELORS' PERCEPTION OF HOME ECONOMICS EDUCATION STATISTICAL ANALYSIS

Question 7c1

HIGH SCHOOLS Vs	573	VAR	1.33	Diff Mean	0.18
		MEAN	3.82	Diff Var	0.006
MIDDLE & JR HI SCHOOLS	354	VAR	1.42	Std Err	0.079
		MEAN	3.64	T	2.261
				Signif.	Yes
URBAN SCHOOLS Vs	271	VAR	1.38	Diff Mean	0.09
		MEAN	3.78	Diff Var	0.008
SUBURBAN SCHOOLS	454	VAR	1.43	Std Err	0.090
		MEAN	3.69	T	0.991
				Signif.	Nil
URBAN SCHOOLS Vs	271	VAR	1.38	Diff Mean	-0.06
		MEAN	3.78	Diff Var	0.011
RURAL SCHOOLS	186	VAR	1.28	Std Err	0.109
		MEAN	3.84	T	-0.54
				Signif.	Nil
SUBURBAN SCHOOLS	454	VAR	1.43	Std Err	-0.14
		MEAN	3.69	T	0.010
RURAL SCHOOLS	186	VAR	1.28	Std Err	0.100
		MEAN	3.84	T	-1.49
				Signif.	Nil
OVER 1000 STUDENTS Vs	571	VAR	1.43	Diff Mean	-0.06
		MEAN	3.72	Diff Var	0.006
UNDER 1000 STUDENTS	336	VAR	1.28	Std Err	0.079
		MEAN	3.79	T	-0.88
				Signif.	Nil
ALL COUNSELORS Vs	937	VAR	1.37	Diff Mean	-0.25
		MEAN	3.75	Diff Var	0.029
HOME EC MAJORS	45	VAR	1.24	Std Err	0.170
		MEAN	4	T	-1.46
				Signif.	Nil
ALL COUNSELORS Vs	937	VAR	1.37	Diff Mean	0.08
		MEAN	3.75	Diff Var	0.027
PE MAJORS	70	VAR	1.85	Std Err	0.167
		MEAN	3.67	T	0.479
				Signif.	Nil
ALL COUNSELORS Vs	937	VAR	1.37	Diff Mean	-0.02
		MEAN	3.75	Diff Var	0.012
SOCIAL SCIENCE MAJORS	128	VAR	1.41	Std Err	0.111
		MEAN	3.77	T	-0.17
				Signif.	Nil
ALL COUNSELORS Vs	937	VAR	1.37	Diff Mean	-0.06
		MEAN	3.75	Diff Var	0.016
SCIENCE & MATH MAJORS	89	VAR	1.34	Std Err	0.128
		MEAN	3.82	T	-0.54
				Signif.	Nil

APPENDIX IV COUNSELORS' PERCEPTION OF HOME ECONOMICS EDUCATION STATISTICAL ANALYSIS

Question 7c1

ALL COUNSELORS Vs	937	VAR	1.37	Diff Mean	-0.06
		MEAN	3.75	Diff Var	0.005
PPS & COUNSELING	273	VAR	1.22	Std Err	0.077
		MEAN	3.82	T	-0.90
				Signif.	Nil
ALL COUNSELORS Vs	937	VAR	1.37	Diff Mean	-0.02
		MEAN	3.75	Diff Var	0.027
PSYCH MAJORS	43	VAR	1.11	Std Err	0.165
		MEAN	3.77	T	-0.12
				Signif.	Nil
ALL COUNSELORS Vs	937	VAR	1.37	Diff Mean	0.11
		MEAN	3.75	Diff Var	0.009
LIBERAL ARTS MAJORS	200	VAR	1.6	Std Err	0.097
		MEAN	3.64	T	1.130
				Signif.	Nil
HOME EC MAJORS	45	VAR	1.24	Std Err	0.33
		MEAN	4	T	0.053
PE MAJORS	70	VAR	1.85	Std Err	0.232
		MEAN	3.67	T	1.420
				Signif.	Nil
HOME EC MAJORS	45	VAR	1.24	Std Err	0.36
		MEAN	4	T	0.035
LIBERAL ARTS MAJORS	200	VAR	1.6	Std Err	0.188
		MEAN	3.64	T	1.909
				Signif.	Near
HOME EC MAJORS	45	VAR	1.24	Std Err	0.23
		MEAN	4	T	0.038
SOCIAL SCIENCE MAJORS	128	VAR	1.41	Std Err	0.196
		MEAN	3.77	T	1.171
				Signif.	Nil
HOME EC MAJORS	45	VAR	1.24	Std Err	0.18
		MEAN	4	T	0.042
SCIENCE & MATH MAJORS	89	VAR	1.34	Std Err	0.206
		MEAN	3.82	T	0.871
				Signif.	Nil
HOME EC MAJORS	45	VAR	1.24	Std Err	0.18
		MEAN	4	T	0.032
PPS & COUNSELING	273	VAR	1.22	Std Err	0.178
		MEAN	3.82	T	1.005
				Signif.	Nil

APPENDIX IV COUNSELORS' PERCEPTION OF HOME ECONOMICS EDUCATION STATISTICAL ANALYSIS

Question 7c2

ALL COUNSELORS Vs	937	VAR	1.35	Diff Mean	0.09
		MEAN	3.77	Diff Var	0.005
ALL MALE COUNSELORS	308	VAR	1.34	Std Err	0.076
		MEAN	3.68	T	1.182
				Signif.	Nil
ALL MALE COUNSELORS Vs	308	VAR	1.34	Diff Mean	-0.13
		MEAN	3.68	Diff Var	0.007
ALL FEMALE COUNSELORS	384	VAR	1.37	Std Err	0.088
		MEAN	3.82	T	-1.57
				Signif.	Nil
OVER 50 YRS OLD Vs	318	VAR	1.42	Diff Mean	-0.11
		MEAN	3.7	Diff Var	0.006
UNDER 50 YRS OLD	564	VAR	1.24	Std Err	0.081
		MEAN	3.82	T	-1.46
				Signif.	Nil
MALE OVER 50 YRS OLD Vs	143	VAR	1.6	Diff Mean	-0.14
		MEAN	3.59	Diff Var	0.021
FEMALE OVER 50 YRS OLD	135	VAR	1.38	Std Err	0.146
		MEAN	3.73	T	-0.95
				Signif.	Nil
NORTHERN SCHOOLS vs	313	VAR	1.35	Diff Mean	-0.08
		MEAN	3.69	Diff Var	0.007
SOUTHERN SCHOOLS	484	VAR	1.44	Std Err	0.085
		MEAN	3.77	T	-0.93
				Signif.	Nil
NORTH LARGE URBAN HS vs	34	VAR	1.3	Diff Mean	0
		MEAN	3.76	Diff Var	0.051
SOUTH LARGE URBAN HS	114	VAR	1.51	Std Err	0.226
		MEAN	3.76	T	0
				Signif.	Nil
CENTRAL CALIF Vs	140	VAR	0.97	Diff Mean	0.15
		MEAN	3.92	Diff Var	0.009
SOUTHERN CALIF	484	VAR	1.44	Std Err	0.099
		MEAN	3.77	T	1.507
				Signif.	Nil
NORTH/CENTRAL CALIF Vs	453	VAR	1.27	Diff Mean	-0.01
		MEAN	3.76	Diff Var	0.005
SOUTHERN CALIF	484	VAR	1.44	Std Err	0.076
		MEAN	3.77	T	-0.13
				Signif.	Nil
OVER 10 YRS EXPERIENCE Vs	518	VAR	1.4	Diff Mean	-0.13
		MEAN	3.72	Diff Var	0.005
UNDER 10 YRS	389	VAR	1.1	Std Err	0.074
		MEAN	3.86	T	-1.88
				Signif.	Near

APPENDIX IV COUNSELORS' PERCEPTION OF HOME ECONOMICS EDUCATION STATISTICAL ANALYSIS

Question 7c2

HIGH SCHOOLS Vs	573	VAR	1.31	Diff Mean	0.21
		MEAN	3.85	Diff Var	0.006
MIDDLE & JR HI SCHOOLS	354	VAR	1.4	Std Err	0.079
		MEAN	3.64	T	2.658
				Signif.	Very
URBAN SCHOOLS Vs	271	VAR	1.27	Diff Mean	0.13
		MEAN	3.81	Diff Var	0.007
SUBURBAN SCHOOLS	454	VAR	1.46	Std Err	0.088
		MEAN	3.68	T	1.462
				Signif.	Nil
URBAN SCHOOLS Vs	271	VAR	1.27	Diff Mean	-0.08
		MEAN	3.81	Diff Var	0.011
RURAL SCHOOLS	186	VAR	1.18	Std Err	0.105
		MEAN	3.9	T	-0.85
				Signif.	Nil
SUBURBAN SCHOOLS	454	VAR	1.46	Std Err	-0.21
		MEAN	3.68	T	0.009
RURAL SCHOOLS	186	VAR	1.18	Std Err	0.097
		MEAN	3.9	T	-2.25
				Signif.	Yes
OVER 1000 STUDENTS Vs	571	VAR	1.37	Diff Mean	0
		MEAN	3.76	Diff Var	0.006
UNDER 1000 STUDENTS	336	VAR	1.29	Std Err	0.078
		MEAN	3.76	T	0
				Signif.	Nil
ALL COUNSELORS Vs	937	VAR	1.35	Diff Mean	-0.34
		MEAN	3.77	Diff Var	0.019
HOME EC MAJORS	45	VAR	0.81	Std Err	0.139
		MEAN	4.11	T	-2.43
				Signif.	Yes
ALL COUNSELORS Vs	937	VAR	1.35	Diff Mean	0.11
		MEAN	3.77	Diff Var	0.026
PE MAJORS	70	VAR	1.77	Std Err	0.163
		MEAN	3.66	T	0.672
				Signif.	Nil
ALL COUNSELORS Vs	937	VAR	1.35	Diff Mean	-0.04
		MEAN	3.77	Diff Var	0.011
SOCIAL SCIENCE MAJORS	128	VAR	1.31	Std Err	0.108
		MEAN	3.81	T	-0.37
				Signif.	Nil
ALL COUNSELORS Vs	937	VAR	1.35	Diff Mean	-0.12
		MEAN	3.77	Diff Var	0.013
SCIENCE & MATH MAJORS	89	VAR	1.09	Std Err	0.116
		MEAN	3.89	T	-1.02
				Signif.	Nil

APPENDIX IV COUNSELORS' PERCEPTION OF HOME ECONOMICS EDUCATION STATISTICAL ANALYSIS

Question 7c2

ALL COUNSELORS Vs	937	VAR	1.35	Diff Mean	-0.06
		MEAN	3.77	Diff Var	0.005
PPS & COUNSELING	273	VAR	1.14	Std Err	0.074
		MEAN	3.84	T	-0.93
				Signif.	Nil
ALL COUNSELORS Vs	937	VAR	1.35	Diff Mean	-0.30
		MEAN	3.77	Diff Var	0.014
PSYCH MAJORS	43	VAR	0.58	Std Err	0.122
		MEAN	4.07	T	-2.45
				Signif.	Yes
ALL COUNSELORS Vs	937	VAR	1.35	Diff Mean	0.12
		MEAN	3.77	Diff Var	0.009
LIBERAL ARTS MAJORS	200	VAR	1.64	Std Err	0.098
		MEAN	3.65	T	1.222
				Signif.	Nil
HOME EC MAJORS	45	VAR	0.81	Std Err	0.45
		MEAN	4.11	T	0.043
PE MAJORS	70	VAR	1.77	Std Err	0.208
		MEAN	3.66	T	2.162
				Signif.	Prob
HOME EC MAJORS	45	VAR	0.81	Std Err	0.46
		MEAN	4.11	T	0.026
LIBERAL ARTS MAJORS	200	VAR	1.64	Std Err	0.161
		MEAN	3.65	T	2.841
				Signif.	Very
HOME EC MAJORS	45	VAR	0.81	Std Err	0.3
		MEAN	4.11	T	0.028
SOCIAL SCIENCE MAJORS	128	VAR	1.31	Std Err	0.168
		MEAN	3.81	T	1.785
				Signif.	Nil
HOME EC MAJORS	45	VAR	0.81	Std Err	0.22
		MEAN	4.11	T	0.030
SCIENCE & MATH MAJORS	89	VAR	1.09	Std Err	0.173
		MEAN	3.89	T	1.264
				Signif.	Nil
HOME EC MAJORS	45	VAR	0.81	Std Err	0.27
		MEAN	4.11	T	0.022
PPS & COUNSELING	273	VAR	1.14	Std Err	0.148
		MEAN	3.84	T	1.813
				Signif.	Near

APPENDIX IV COUNSELORS' PERCEPTION OF HOME ECONOMICS EDUCATION STATISTICAL ANALYSIS

Question 7c3

ALL COUNSELORS Vs	937	VAR	1.35	Diff Mean	0.08
		MEAN	3.87	Diff Var	0.005
ALL MALE COUNSELORS	308	VAR	1.34	Std Err	0.076
		MEAN	3.79	T	1.051
				Signif.	Nil
ALL MALE COUNSELORS Vs	308	VAR	1.34	Diff Mean	-0.14
		MEAN	3.79	Diff Var	0.007
ALL FEMALE COUNSELORS	384	VAR	1.37	Std Err	0.088
		MEAN	3.93	T	-1.57
				Signif.	Nil
OVER 50 YRS OLD Vs	318	VAR	1.58	Diff Mean	-0.15
		MEAN	3.78	Diff Var	0.007
UNDER 50 YRS OLD	564	VAR	1.19	Std Err	0.084
		MEAN	3.93	T	-1.78
				Signif.	Nil
MALE OVER 50 YRS OLD Vs	143	VAR	1.84	Diff Mean	-0.16
		MEAN	3.64	Diff Var	0.025
FEMALE OVER 50 YRS OLD	135	VAR	1.69	Std Err	0.159
		MEAN	3.81	T	-1.06
				Signif.	Nil
NORTHERN SCHOOLS vs	313	VAR	1.37	Diff Mean	-0.08
		MEAN	3.79	Diff Var	0.007
SOUTHERN SCHOOLS	484	VAR	1.41	Std Err	0.085
		MEAN	3.87	T	-0.93
				Signif.	Nil
NORTH LARGE URBAN HS vs	34	VAR	1.07	Diff Mean	0.04
		MEAN	3.85	Diff Var	0.044
SOUTH LARGE URBAN HS	114	VAR	1.51	Std Err	0.211
		MEAN	3.81	T	0.189
				Signif.	Nil
CENTRAL CALIF Vs	140	VAR	1.07	Diff Mean	0.17
		MEAN	4.04	Diff Var	0.010
SOUTHERN CALIF	484	VAR	1.41	Std Err	0.102
		MEAN	3.87	T	1.654
				Signif.	Nil
NORTH/CENTRAL CALIF Vs	453	VAR	1.32	Diff Mean	-0.01
		MEAN	3.86	Diff Var	0.005
SOUTHERN CALIF	484	VAR	1.41	Std Err	0.076
		MEAN	3.87	T	-0.13
				Signif.	Nil
OVER 10 YRS EXPERIENCE Vs	518	VAR	1.42	Diff Mean	-0.12
		MEAN	3.83	Diff Var	0.005
UNDER 10 YRS	389	VAR	1.13	Std Err	0.075
		MEAN	3.95	T	-1.59
				Signif.	Nil

APPENDIX IV COUNSELORS' PERCEPTION OF HOME ECONOMICS EDUCATION STATISTICAL ANALYSIS

Question 7c3

HIGH SCHOOLS Vs	573	VAR	1.28	Diff Mean	0.18
		MEAN	3.94	Diff Var	0.006
MIDDLE & JR HI SCHOOLS	354	VAR	1.43	Std Err	0.079
		MEAN	3.76	T	2.272
				Signif.	Yes
URBAN SCHOOLS Vs	271	VAR	1.23	Diff Mean	0.08
		MEAN	3.88	Diff Var	0.007
SUBURBAN SCHOOLS	454	VAR	1.47	Std Err	0.088
		MEAN	3.8	T	0.907
				Signif.	Nil
URBAN SCHOOLS Vs	271	VAR	1.23	Diff Mean	-0.10
		MEAN	3.88	Diff Var	0.011
RURAL SCHOOLS	186	VAR	1.24	Std Err	0.105
		MEAN	3.98	T	-0.94
				Signif.	Nil
SUBURBAN SCHOOLS	454	VAR	1.47	Std Err	-0.18
		MEAN	3.8	T	0.009
RURAL SCHOOLS	186	VAR	1.24	Std Err	0.099
		MEAN	3.98	T	-1.80
				Signif.	Near
OVER 1000 STUDENTS Vs	571	VAR	1.32	Diff Mean	-0.10
		MEAN	3.84	Diff Var	0.006
UNDER 1000 STUDENTS	336	VAR	1.25	Std Err	0.077
		MEAN	3.94	T	-1.28
				Signif.	Nil
ALL COUNSELORS Vs	937	VAR	1.35	Diff Mean	-0.46
		MEAN	3.87	Diff Var	0.017
HOME EC MAJORS	45	VAR	0.71	Std Err	0.131
		MEAN	4.33	T	-3.50
				Signif.	Very
ALL COUNSELORS Vs	937	VAR	1.35	Diff Mean	0.06
		MEAN	3.87	Diff Var	0.025
PE MAJORS	70	VAR	1.67	Std Err	0.159
		MEAN	3.81	T	0.377
				Signif.	Nil
ALL COUNSELORS Vs	937	VAR	1.35	Diff Mean	-0.06
		MEAN	3.87	Diff Var	0.010
SOCIAL SCIENCE MAJORS	128	VAR	1.15	Std Err	0.102
		MEAN	3.94	T	-0.68
				Signif.	Nil
ALL COUNSELORS Vs	937	VAR	1.35	Diff Mean	-0.12
		MEAN	3.87	Diff Var	0.013
SCIENCE & MATH MAJORS	89	VAR	1.1	Std Err	0.117
		MEAN	4	T	-1.10
				Signif.	Nil

APPENDIX IV COUNSELORS' PERCEPTION OF HOME ECONOMICS EDUCATION STATISTICAL ANALYSIS

Question 7c3

ALL COUNSELORS Vs	937	VAR	1.35	Diff Mean	-0.04
		MEAN	3.87	Diff Var	0.005
PPS & COUNSELING	273	VAR	1.21	Std Err	0.076
		MEAN	3.92	T	-0.65
				Signif.	Nil
ALL COUNSELORS Vs	937	VAR	1.35	Diff Mean	-0.21
		MEAN	3.87	Diff Var	0.019
PSYCH MAJORS	43	VAR	0.78	Std Err	0.139
		MEAN	4.09	T	-1.57
				Signif.	Nil
ALL COUNSELORS Vs	937	VAR	1.35	Diff Mean	0.1
		MEAN	3.87	Diff Var	0.009
LIBERAL ARTS MAJORS	200	VAR	1.59	Std Err	0.096
		MEAN	3.77	T	1.031
				Signif.	Nil
HOME EC MAJORS	45	VAR	0.71	Std Err	0.52
		MEAN	4.33	T	0.039
PE MAJORS	70	VAR	1.67	Std Err	0.199
		MEAN	3.81	T	2.611
				Signif.	Very
HOME EC MAJORS	45	VAR	0.71	Std Err	0.56
		MEAN	4.33	T	0.023
LIBERAL ARTS MAJORS	200	VAR	1.59	Std Err	0.154
		MEAN	3.77	T	3.635
				Signif.	Very
HOME EC MAJORS	45	VAR	0.71	Std Err	0.39
		MEAN	4.33	T	0.024
SOCIAL SCIENCE MAJORS	128	VAR	1.15	Std Err	0.157
		MEAN	3.94	T	2.478
				Signif.	Yes
HOME EC MAJORS	45	VAR	0.71	Std Err	0.33
		MEAN	4.33	T	0.028
SCIENCE & MATH MAJORS	89	VAR	1.1	Std Err	0.167
		MEAN	4	T	1.967
				Signif.	Prob
HOME EC MAJORS	45	VAR	0.71	Std Err	0.41
		MEAN	4.33	T	0.020
PPS & COUNSELING	273	VAR	1.21	Std Err	0.142
		MEAN	3.92	T	2.884
				Signif.	Very

APPENDIX IV COUNSELORS' PERCEPTION OF HOME ECONOMICS EDUCATION STATISTICAL ANALYSIS

Question 7c4

ALL COUNSELORS Vs	937	VAR	1.43	Diff Mean	0.05
		MEAN	3.6	Diff Var	0.005
ALL MALE COUNSELORS	308	VAR	1.34	Std Err	0.076
		MEAN	3.55	T	0.652
				Signif.	Nil
ALL MALE COUNSELORS Vs	308	VAR	1.34	Diff Mean	-0.07
		MEAN	3.55	Diff Var	0.008
ALL FEMALE COUNSELORS	384	VAR	1.45	Std Err	0.090
		MEAN	3.62	T	-0.77
				Signif.	Nil
OVER 50 YRS OLD Vs	318	VAR	1.52	Diff Mean	0.01
		MEAN	3.61	Diff Var	0.007
UNDER 50 YRS OLD	564	VAR	1.32	Std Err	0.084
		MEAN	3.6	T	0.118
				Signif.	Nil
MALE OVER 50 YRS OLD Vs	143	VAR	1.58	Diff Mean	-0.13
		MEAN	3.49	Diff Var	0.022
FEMALE OVER 50 YRS OLD	135	VAR	1.57	Std Err	0.150
		MEAN	3.63	T	-0.92
				Signif.	Nil
NORTHERN SCHOOLS vs	313	VAR	1.55	Diff Mean	-0.06
		MEAN	3.54	Diff Var	0.007
SOUTHERN SCHOOLS	484	VAR	1.44	Std Err	0.089
		MEAN	3.6	T	-0.67
				Signif.	Nil
NORTH LARGE URBAN HS vs	34	VAR	1.48	Diff Mean	-0.02
		MEAN	3.59	Diff Var	0.057
SOUTH LARGE URBAN HS	114	VAR	1.55	Std Err	0.239
		MEAN	3.61	T	-0.08
				Signif.	Nil
CENTRAL CALIF Vs	140	VAR	1.09	Diff Mean	0.11
		MEAN	3.71	Diff Var	0.010
SOUTHERN CALIF	484	VAR	1.44	Std Err	0.103
		MEAN	3.6	T	1.060
				Signif.	Nil
NORTH/CENTRAL CALIF Vs	453	VAR	1.44	Diff Mean	-0.02
		MEAN	3.58	Diff Var	0.006
SOUTHERN CALIF	484	VAR	1.44	Std Err	0.078
		MEAN	3.6	T	-0.25
				Signif.	Nil
OVER 10 YRS EXPERIENCE Vs	518	VAR	1.48	Diff Mean	-0.10
		MEAN	3.56	Diff Var	0.005
UNDER 10 YRS	389	VAR	1.2	Std Err	0.077
		MEAN	3.67	T	-1.42
				Signif.	Nil

APPENDIX IV COUNSELORS' PERCEPTION OF HOME ECONOMICS EDUCATION STATISTICAL ANALYSIS

Question 7c4

HIGH SCHOOLS Vs	573	VAR	1.36	Diff Mean	0.17
		MEAN	3.66	Diff Var	0.006
MIDDLE & JR HI SCHOOLS	354	VAR	1.51	Std Err	0.081
		MEAN	3.49	T	2.086
				Signif.	Prob
URBAN SCHOOLS Vs	271	VAR	1.49	Diff Mean	0.02
		MEAN	3.58	Diff Var	0.008
SUBURBAN SCHOOLS	454	VAR	1.43	Std Err	0.092
		MEAN	3.56	T	0.215
				Signif.	Nil
URBAN SCHOOLS Vs	271	VAR	1.49	Diff Mean	-0.12
		MEAN	3.58	Diff Var	0.013
RURAL SCHOOLS	186	VAR	1.4	Std Err	0.114
		MEAN	3.71	T	-1.13
				Signif.	Nil
SUBURBAN SCHOOLS	454	VAR	1.43	Std Err	-0.14
		MEAN	3.56	T	0.010
RURAL SCHOOLS	186	VAR	1.4	Std Err	0.103
		MEAN	3.71	T	-1.45
				Signif.	Nil
OVER 1000 STUDENTS Vs	571	VAR	1.43	Diff Mean	-0.05
		MEAN	3.57	Diff Var	0.006
UNDER 1000 STUDENTS	336	VAR	1.46	Std Err	0.082
		MEAN	3.62	T	-0.60
				Signif.	Nil
ALL COUNSELORS Vs	937	VAR	1.43	Diff Mean	-0.51
		MEAN	3.6	Diff Var	0.019
HOME EC MAJORS	45	VAR	0.81	Std Err	0.139
		MEAN	4.11	T	-3.64
				Signif.	Very
ALL COUNSELORS Vs	937	VAR	1.43	Diff Mean	0.09
		MEAN	3.6	Diff Var	0.023
PE MAJORS	70	VAR	1.54	Std Err	0.153
		MEAN	3.51	T	0.586
				Signif.	Nil
ALL COUNSELORS Vs	937	VAR	1.43	Diff Mean	-0.00
		MEAN	3.6	Diff Var	0.013
SOCIAL SCIENCE MAJORS	128	VAR	1.5	Std Err	0.115
		MEAN	3.61	T	-0.08
				Signif.	Nil
ALL COUNSELORS Vs	937	VAR	1.43	Diff Mean	-0.06
		MEAN	3.6	Diff Var	0.014
SCIENCE & MATH MAJORS	89	VAR	1.12	Std Err	0.118
		MEAN	3.66	T	-0.50
				Signif.	Nil

APPENDIX IV COUNSELORS' PERCEPTION OF HOME ECONOMICS EDUCATION STATISTICAL ANALYSIS

Question 7c4

ALL COUNSELORS Vs	937	VAR	1.43	Diff Mean	-0.10
		MEAN	3.6	Diff Var	0.006
PPS & COUNSELING	273	VAR	1.34	Std. Err	0.080
		MEAN	3.71	T	-1.37
				Signif.	Nil
ALL COUNSELORS Vs	937	VAR	1.43	Diff Mean	-0.25
		MEAN	3.6	Diff Var	0.024
PSYCH MAJORS	43	VAR	1	Std Err	0.157
		MEAN	3.86	T	-1.65
				Signif.	Nil
ALL COUNSELORS Vs	937	VAR	1.43	Diff Mean	0.11
		MEAN	3.6	Diff Var	0.010
LIBERAL ARTS MAJORS	200	VAR	1.78	Std Err	0.102
		MEAN	3.49	T	1.077
				Signif.	Nil
HOME EC MAJORS	45	VAR	0.81	Std Err	0.600
		MEAN	4.11	T	0.04
PE MAJORS	70	VAR	1.54	Std Err	0.2
		MEAN	3.51	T	3.000
				Signif.	Very
HOME EC MAJORS	45	VAR	0.81	Std Err	0.62
		MEAN	4.11	T	0.026
LIBERAL ARTS MAJORS	200	VAR	1.78	Std Err	0.164
		MEAN	3.49	T	3.780
				Signif.	Very
HOME EC MAJORS	45	VAR	0.81	Std Err	0.5
		MEAN	4.11	T	0.029
SOCIAL SCIENCE MAJORS	128	VAR	1.5	Std Err	0.172
		MEAN	3.61	T	2.900
				Signif.	Very
HOME EC MAJORS	45	VAR	0.81	Std Err	0.45
		MEAN	4.11	T	0.030
SCIENCE & MATH MAJORS	89	VAR	1.12	Std Err	0.174
		MEAN	3.66	T	2.573
				Signif.	Very
HOME EC MAJORS	45	VAR	0.81	Std Err	0.4
		MEAN	4.11	T	0.022
PPS & COUNSELING	273	VAR	1.34	Std Err	0.151
		MEAN	3.71	T	2.642
				Signif.	Very

APPENDIX IV COUNSELORS' PERCEPTION OF HOME ECONOMICS EDUCATION STATISTICAL ANALYSIS

Question 7c5

ALL COUNSELORS Vs	937	VAR	1.41	Diff Mean	0.14
		MEAN	3.67	Diff Var	0.005
ALL MALE COUNSELORS	308	VAR	1.33	Std Err	0.076
		MEAN	3.53	T	1.834
				Signif.	Near
ALL MALE COUNSELORS Vs	308	VAR	1.33	Diff Mean	-0.22
		MEAN	3.53	Diff Var	0.008
ALL FEMALE COUNSELORS	384	VAR	1.48	Std Err	0.090
		MEAN	3.75	T	-2.43
				Signif.	Yes
OVER 50 YRS OLD Vs	318	VAR	1.41	Diff Mean	-0.04
		MEAN	3.65	Diff Var	0.006
UNDER 50 YRS OLD	564	VAR	1.34	Std Err	0.082
		MEAN	3.69	T	-0.48
				Signif.	Nil
MALE OVER 50 YRS OLD Vs	143	VAR	1.49	Diff Mean	-0.31
		MEAN	3.45	Diff Var	0.020
FEMALE OVER 50 YRS OLD	135	VAR	1.41	Std Err	0.144
		MEAN	3.77	T	-2.21
				Signif.	Prob
NORTHERN SCHOOLS vs	313	VAR	1.52	Diff Mean	-0.04
		MEAN	3.63	Diff Var	0.007
SOUTHERN SCHOOLS	484	VAR	1.43	Std Err	0.088
		MEAN	3.67	T	-0.45
				Signif.	Nil
NORTH LARGE URBAN HS vs	34	VAR	1.5	Diff Mean	0.15
		MEAN	3.82	Diff Var	0.059
SOUTH LARGE URBAN HS	114	VAR	1.73	Std Err	0.243
		MEAN	3.67	T	0.616
				Signif.	Nil
CENTRAL CALIF Vs	140	VAR	1.08	Diff Mean	0.09
		MEAN	3.76	Diff Var	0.010
SOUTHERN CALIF	484	VAR	1.43	Std Err	0.103
		MEAN	3.67	T	0.871
				Signif.	Nil
NORTH/CENTRAL CALIF Vs	453	VAR	1.42	Diff Mean	-0.00
		MEAN	3.66	Diff Var	0.006
SOUTHERN CALIF	484	VAR	1.43	Std Err	0.078
		MEAN	3.67	T	-0.12
				Signif.	Nil
OVER 10 YRS EXPERIENCE Vs	518	VAR	1.41	Diff Mean	-0.11
		MEAN	3.63	Diff Var	0.005
UNDER 10 YRS	389	VAR	1.24	Std Err	0.076
		MEAN	3.74	T	-1.43
				Signif.	Nil

APPENDIX IV COUNSELORS' PERCEPTION OF HOME ECONOMICS EDUCATION STATISTICAL ANALYSIS

Question 7c5

HIGH SCHOOLS Vs	573	VAR	1.41	Diff Mean	0.19
		MEAN	3.74	Diff Var	0.006
MIDDLE & JR HI SCHOOLS	354	VAR	1.39	Std Err	0.079
		MEAN	3.55	T	2.377
				Signif.	Yes
URBAN SCHOOLS Vs	271	VAR	1.43	Diff Mean	0.04
		MEAN	3.69	Diff Var	0.008
SUBURBAN SCHOOLS	454	VAR	1.41	Std Err	0.091
		MEAN	3.65	T	0.436
				Signif.	Nil
URBAN SCHOOLS Vs	271	VAR	1.43	Diff Mean	0.01
		MEAN	3.69	Diff Var	0.013
RURAL SCHOOLS	186	VAR	1.51	Std Err	0.115
		MEAN	3.68	T	0.086
				Signif.	Nil
SUBURBAN SCHOOLS	454	VAR	1.41	Std Err	-0.03
		MEAN	3.65	T	0.011
RURAL SCHOOLS	186	VAR	1.51	Std Err	0.105
		MEAN	3.68	T	-0.28
				Signif.	Nil
OVER 1000 STUDENTS Vs	571	VAR	1.46	Diff Mean	-0.02
		MEAN	3.65	Diff Var	0.006
UNDER 1000 STUDENTS	336	VAR	1.32	Std Err	0.080
		MEAN	3.67	T	-0.24
				Signif.	Nil
ALL COUNSELORS Vs	937	VAR	1.41	Diff Mean	-0.73
		MEAN	3.67	Diff Var	0.014
HOME EC MAJORS	45	VAR	0.6	Std Err	0.121
		MEAN	4.4	T	-5.99
				Signif.	Very
ALL COUNSELORS Vs	937	VAR	1.41	Diff Mean	0.08
		MEAN	3.67	Diff Var	0.022
PE MAJORS	70	VAR	1.5	Std Err	0.151
		MEAN	3.59	T	0.528
				Signif.	Nil
ALL COUNSELORS Vs	937	VAR	1.41	Diff Mean	0.01
		MEAN	3.67	Diff Var	0.012
SOCIAL SCIENCE MAJORS	128	VAR	1.43	Std Err	0.112
		MEAN	3.66	T	0.088
				Signif.	Nil
ALL COUNSELORS Vs	937	VAR	1.41	Diff Mean	-0.16
		MEAN	3.67	Diff Var	0.013
SCIENCE & MATH MAJORS	89	VAR	1.04	Std Err	0.114
		MEAN	3.83	T	-1.39
				Signif.	Nil

APPENDIX IV COUNSELORS' PERCEPTION OF HOME ECONOMICS EDUCATION STATISTICAL ANALYSIS

Question 7c5

ALL COUNSELORS Vs	937	VAR	1.41	Diff Mean	0
		MEAN	3.67	Diff Var	0.006
PPS & COUNSELING	273	VAR	1.38	Std Err	0.080
		MEAN	3.67	T	0
				Signif.	Nil
ALL COUNSELORS Vs	937	VAR	1.41	Diff Mean	-0.18
		MEAN	3.67	Diff Var	0.023
PSYCH MAJORS	43	VAR	0.96	Std Err	0.154
		MEAN	3.86	T	-1.23
				Signif.	Nil
ALL COUNSELORS Vs	937	VAR	1.41	Diff Mean	0.08
		MEAN	3.67	Diff Var	0.009
LIBERAL ARTS MAJORS	200	VAR	1.63	Std Err	0.098
		MEAN	3.59	T	0.814
				Signif.	Nil
HOME EC MAJORS	45	VAR	0.6	Std Err	0.81
		MEAN	4.4	T	0.034
PE MAJORS	70	VAR	1.5	Std Err	0.186
		MEAN	3.59	T	4.344
				Signif.	Very
HOME EC MAJORS	45	VAR	0.6	Std Err	0.81
		MEAN	4.4	T	0.021
LIBERAL ARTS MAJORS	200	VAR	1.63	Std Err	0.146
		MEAN	3.59	T	5.526
				Signif.	Very
HOME EC MAJORS	45	VAR	0.6	Std Err	0.74
		MEAN	4.4	T	0.024
SOCIAL SCIENCE MAJORS	128	VAR	1.43	Std Err	0.156
		MEAN	3.66	T	4.727
				Signif.	Very
HOME EC MAJORS	45	VAR	0.6	Std Err	0.57
		MEAN	4.4	T	0.025
SCIENCE & MATH MAJORS	89	VAR	1.04	Std Err	0.158
		MEAN	3.83	T	3.603
				Signif.	Very
HOME EC MAJORS	45	VAR	0.6	Std Err	0.73
		MEAN	4.4	T	0.018
PPS & COUNSELING	273	VAR	1.38	Std Err	0.135
		MEAN	3.67	T	5.383
				Signif.	Very